Web Developers
Louisiana

Summary of Job Duties

Web Developers Video - Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content.

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Detailed Job Description

Web Developers Web developers design and create websites.

Source: U.S. Department of Labor Bureau of Labor Statistics

Job Zone

The section below shows the job zone information for Web Developers. Job Zone Three: Medium Preparation Needed.

Education	Experience	Training

Education	Experience	Training
Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.	Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.	Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Jobs Available

This section shows the number of job openings and green jobs advertised online in Louisiana for Web Developers and for the related occupational group of Computer and Mathematical Occupations on December 3, 2020 (Jobs De-duplication Level 2).

Occupation	Job Openings	Green Job Count
Web Developers✺	5	0
Computer and Mathematical Occupations	925	20

Source: Online advertised jobs data

Monthly Job Count

This section shows the number of job openings and green jobs advertised online for Web Developers in Louisiana October, 2020 (Jobs De-duplication Level 2).
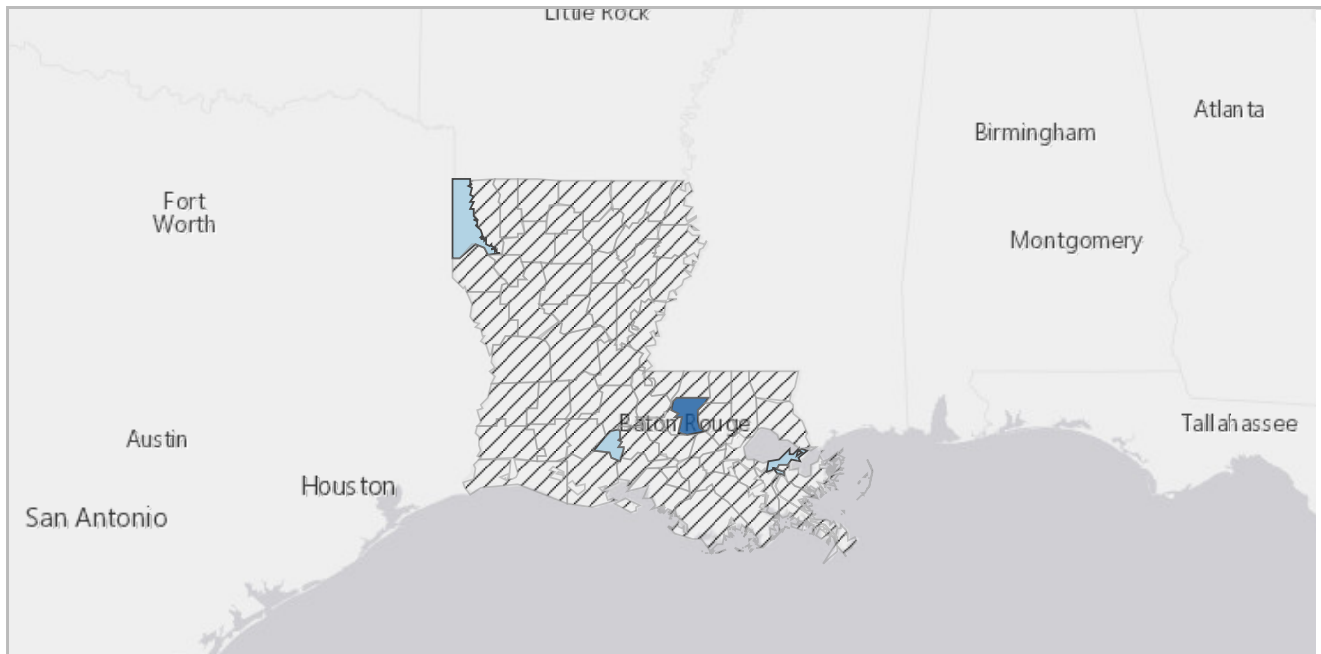
Occupation	Job Openings	Green Job Count
Web Developers✺	8	0

Source: Online advertised jobs data

Jobs Area Distribution

This section shows the distribution of number of job openings and green jobs advertised online for Web Developers in Louisiana by parishes on December 3, 2020 (Jobs De-duplication Level 2).

Job Openings

0	1	2	N/A

Job Source: Online advertised jobs data

Jobs in Related Occupations

This section shows the number of job openings and green jobs advertised online in Louisiana for occupations related to Web Developers on December 3, 2020 (Jobs De-duplication Level 2).

Rank	Occupation	Median Wage	Job Openings	Green Job Count	*Related By
1	Architectural Drafters🌿	$54,493	13	6	O*NET
2	Computer Systems Engineers/Architects◈	$62,800	61	5	O*NET
3	Database Administrators◈	$80,017	25	2	O*NET
4	Network and Computer Systems Administrators	$64,569	67	2	O*NET
5	Computer User Support Specialists◈	$45,715	85	2	O*NET
6	Logistics Engineers🌿	$72,442	3	1	O*NET
7	Computer Systems Analysts◈	$68,543	73	1	O*NET
8	Computer Programmers	$66,543	96	1	O*NET
9	Software Developers, Systems Software ◈🌿	$73,552	23	1	O*NET

Rank	Occupation	Median Wage	Job Openings	Green Job Count	*Related By
10	Software Quality Assurance Engineers and Testers☼	$62,800	17	1	O*NET
11	Validation Engineers🍃	$81,992	1	1	O*NET
12	Information Security Analysts☼	$72,516	8	0	O*NET
13	Software Developers, Applications☼	$79,753	51	0	O*NET
14	Web Developers☼	N/A	5	0	N/A
15	Computer Network Architects	$73,217	7	0	O*NET
16	Marine Architects☼	$100,943	3	0	O*NET
17	Petroleum Engineers	$128,991	2	0	O*NET
18	Energy Engineers🍃	$81,992	1	0	O*NET
19	Mechanical Drafters	$59,085	3	0	O*NET
20	Commercial and Industrial Designers🍃	$81,217	3	0	O*NET
21	Graphic Designers	$41,515	2	0	O*NET
22	Editors	$38,209	3	0	O*NET
23	Technical Writers☼	$71,347	12	0	O*NET
24	Poets, Lyricists and Creative Writers	$36,033	8	0	O*NET
25	Computer Operators	$36,570	10	0	O*NET

☼ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

Job Source: Online advertised jobs data
Wage Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2018 survey.
*Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

Candidates Available

This section shows potential candidates in the workforce system in Louisiana for Web Developers and for the related occupational group of Computer and Mathematical Occupations on December 3, 2020.

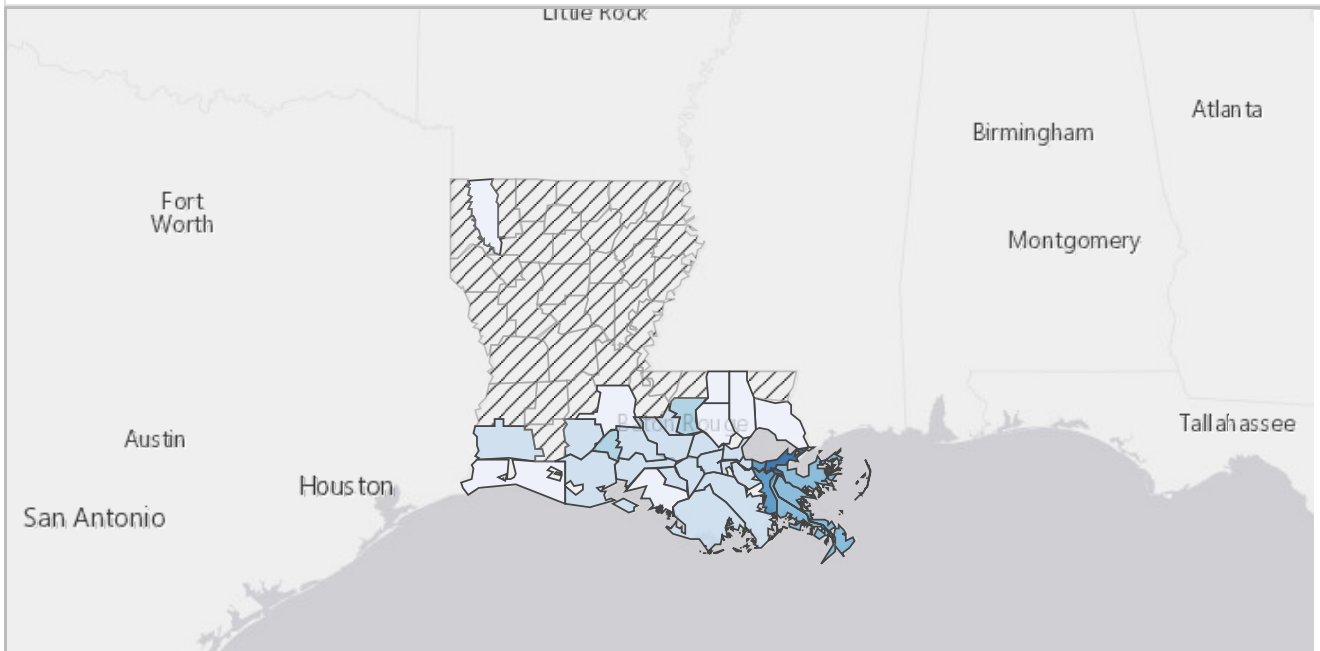| Occupation	Candidates
Web Developers☼	42
Computer and Mathematical Occupations	2,259

☼ BRIGHT OUTLOOK NATIONALLY

Source: Individuals with active résumés in the workforce system.

Candidate Area Distribution

This section shows the distribution of potential candidates in the workforce system for Web Developers in Louisiana by parishes on December 3, 2020.

Rank	Area Name	Median Wage	Candidates
1	Orleans Parish	$56,619 state level wages	32
2	Jefferson Parish	$56,619 state level wages	25
3	Plaquemines Parish	$56,619 state level wages	21
4	St. Bernard Parish	$56,619 state level wages	20
5	Lafayette Parish	$56,619 state level wages	19
6	East Baton Rouge Parish	$56,619 state level wages	18
7	Acadia Parish	$56,619 state level wages	17
8	Ascension Parish	$56,619 state level wages	17
9	Iberville Parish	$56,619 state level wages	17
10	St. Charles Parish	$56,619 state level wages	17

Candidates

| 1 - 15 | 16 - 17 | 18 - 19 | 20 - 21 | 22 - 25 | 25 - 32 | N/A |

Candidates in Related Occupations

This section shows how many potential candidates in the workforce system were looking for work in Louisiana in occupations related to Web Developers on December 3, 2020.

Rank	Occupation	Median Wage	Candidates	*Related By
1	Computer User Support Specialists⬥	$45,715	550	O*NET
2	Graphic Designers	$41,515	272	O*NET
3	Computer Operators	$36,570	181	O*NET
4	Network and Computer Systems Administrators	$64,569	160	O*NET
5	Computer Systems Analysts⬥	$68,543	140	O*NET
6	Mechanical Drafters	$59,085	132	O*NET
7	Software Developers, Applications⬥	$79,753	120	O*NET
8	Architectural Drafters🍃	$54,493	104	O*NET
9	Computer Programmers	$66,543	93	O*NET
10	Database Administrators⬥	$80,017	90	O*NET
11	Commercial and Industrial Designers🍃	$81,217	90	O*NET
12	Petroleum Engineers	$128,991	81	O*NET
13	Film and Video Editors⬥	Confidential	47	O*NET
14	Poets, Lyricists and Creative Writers	$36,033	44	O*NET
15	Web Developers⬥	N/A	42	N/A
16	Computer Network Architects	$73,217	42	O*NET
17	Multimedia Artists and Animators	$50,269	39	O*NET
18	Editors	$38,209	39	O*NET
19	Software Quality Assurance Engineers and Testers⬥	$62,800	37	O*NET
20	Information Security Analysts⬥	$72,516	36	O*NET
21	Software Developers, Systems Software⬥🍃	$73,552	32	O*NET
22	Technical Writers⬥	$71,347	30	O*NET
23	Energy Engineers🍃	$81,992	24	O*NET
24	Computer Systems Engineers/Architects⬥	$62,800	17	O*NET
25	Geographic Information Systems Technicians⬥🍃	$62,800	16	O*NET
26	Cartographers and Photogrammetrists⬥	$71,255	12	O*NET

Rank	Occupation	Median Wage	Candidates	*Related By
27	Geospatial Information Scientists and Technologists✿🍃	$62,800	6	O*NET
28	Statistical Assistants✿	$46,956	5	O*NET
29	Marine Architects✿	$100,943	4	O*NET
30	Web Administrators✿	$62,800	3	O*NET
31	Desktop Publishers	$28,717	3	O*NET
32	Logistics Engineers🍃	$72,442	2	O*NET
33	Validation Engineers🍃	$81,992	1	O*NET

✿ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

Candidate Source: Individuals with active résumés in the workforce system.
Wage Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2018 survey.
*Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

Jobs and Candidates Available

This section shows the number of job openings and green jobs advertised online, as well as potential candidates in the workforce system in Louisiana for Web Developers and for the related occupational group of Computer and Mathematical Occupations on December 3, 2020 (Jobs De-duplication Level 2).

Occupation	Job Openings	Green Job Count	Candidates	Candidates per Job
Web Developers✿	5	0	42	8.40
Computer and Mathematical Occupations	925	20	2,259	2.44

✿ BRIGHT OUTLOOK NATIONALLY

Job Source: Online advertised jobs data
Candidate Source: Individuals with active résumés in the workforce system.

Jobs and Candidates Area Distribution

This section shows the distribution of number of job openings and green jobs advertised online, as well as potential candidates in the workforce system for Web Developers in Louisiana by parishes on December 3, 2020 (Jobs De-duplication Level 2).

Rank	Area Name	Median Wage	Job Openings	Green Job Count	Candidates	Candidates per Job
1	Orleans Parish	$56,619 state level wages	1	0	32	32.00

Rank	Area Name	Median Wage	Job Openings	Green Job Count	Candidates	Candidates per Job
2	Lafayette Parish	$56,619 state level wages	1	0	19	19.00
3	East Baton Rouge Parish	$56,619 state level wages	2	0	18	9.00
4	Acadia Parish	$56,619 state level wages	0	0	17	N/A
5	Ascension Parish	$56,619 state level wages	0	0	17	N/A
6	Assumption Parish	$56,619 state level wages	0	0	16	N/A
7	Bossier Parish	$56,619 state level wages	0	0	15	N/A
8	Caddo Parish	$56,619 state level wages	1	0	0	N/A
9	Calcasieu Parish	$56,619 state level wages	0	0	16	N/A
10	Cameron Parish	$56,619 state level wages	0	0	15	N/A

Candidates per Job

9.00	19.00	32.00	N/A

Job Source: Online advertised jobs data
Candidate Source: Individuals with active résumés in the workforce system.
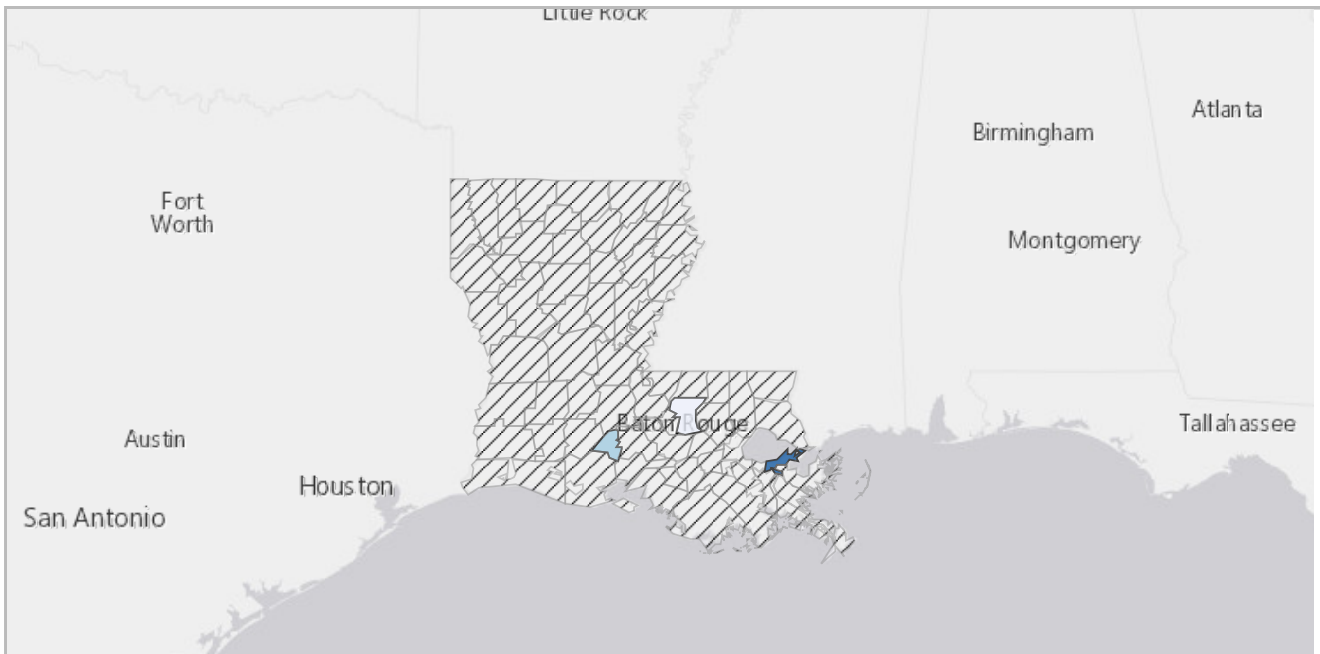Wage Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2018 survey.

National Supply and Demand Summary

Web Developers
Employment of web developers is projected to grow 8 percent from 2019 to 2029, much faster than the average for all occupations.

Employment of web developers is projected to grow as ecommerce continues to expand. Online purchasing is expected to grow faster than the overall retail industry. As retail firms expand their online offerings, demand for web developers will grow. In addition, an increase in the use of mobile devices to search the web will lead to increased demand for web developers. Instead of designing a website for a desktop computer, developers will have to create sites that work on mobile devices with many different screen sizes, leading to more work.

Because websites can be built from anywhere in the world, some web developer jobs may be moved to countries with lower wages. However, this practice may decline because the cost of managing web developers in multiple countries can offset the savings to businesses. Furthermore, web developers must understand cultural nuances that allow webpages to communicate effectively with users, and domestic web developers are better equipped for this task, curtailing the work that may be moved to other countries.

Job Prospects

Job opportunities for web developers are expected to be good. Those with knowledge of multiple programming languages and digital multimedia tools, such as Flash and Photoshop, will have the best opportunities.

Source: U.S. Department of Labor Bureau of Labor Statistics

Employers by Number of Job Openings

This section shows the employers with the highest number of job openings and green jobs advertised online for Web Developers in Louisiana on December 3, 2020 (Jobs De-duplication Level 2).

Rank	Employer Name	Job Openings	Green Job Count
1	Domino's Pizza, Inc.	1	0
2	EDC Consulting LLC	1	0
3	Praeses LLC	1	0
4	Robert Half	1	0
5	Sleep Management, LLC dba Viemed	1	0

Source: Online advertised jobs data

Advertised Job Skills

This section shows the top advertised detailed job skills found in job openings advertised online for Web Developers in Louisiana in October, 2020. (Jobs De-duplication Level 1)

Rank	Advertised Detailed Job Skill	Advertised Skill Group	Job Opening Match Count
1	Honesty	Basic Skills	2
2	Effectively present information	Basic Skills	1
3	Provide technical expertise	Computer Support Specialist Skills	1
4	Sprint Planning	Scrum Master Skills	1
5	Agile software development	Scrum Master Skills	1
6	Back-end technologies	Web Developer Skills	1
7	Identify business needs	Business Analyst Skills	1
8	Deliver design solutions	Graphic Designer Skills	1
9	Sketching	Art Skills	1
10	Design tools	Tool and Die Maker Skills	1

Source: Online advertised jobs data

Advertised Tools and Technology

This section shows the top advertised detailed tools and technologies found in job openings advertised online for Web Developers in Louisiana in October, 2020. (Jobs De-duplication Level 1)

Rank	Advertised Detailed Tool or Technology	Advertised Tool and Technology Group	Job Opening Match Count

Rank	Advertised Detailed Tool or Technology	Advertised Tool and Technology Group	Job Opening Match Count
1	JavaScript	Web Platform Development Software	6
2	Structured query language (SQL)	Database User Interface and Query Software	3
3	Hypertext markup language (HTML)	Web Platform Development Software	3
4	C#	Object or Component Oriented Development Software	2
5	Bootstrap	Web Platform Development Software	1
6	Omni Group OmniGraffle	Pattern Design Software	1
7	Git	File Versioning Software	1
8	Oracle procedural language/structured query language PL/SQL	Database Management System Software	1
9	jQuery	Web Platform Development Software	1
10	Hotspot	Analytical or Scientific Software	1

Source: Online advertised jobs data

Typical Job Skills

This section shows the job skills that are related to Web Developers.

Rank	Typical Job Skills	Typical Skill Category
1	Design websites or web applications	Mental Processes
2	Write computer programming code	Work Output
3	Update website content	Work Output
4	Create electronic data backup to prevent loss of information	Work Output
5	Test software performance	Information Input
6	Collaborate with others to resolve information technology issues	Interacting With Others
7	Resolve computer software problems	Work Output
8	Troubleshoot issues with computer applications or systems	Work Output
9	Create databases to store electronic data	Mental Processes
10	Update knowledge about emerging industry or technology trends	Mental Processes
11	Analyze project data to determine specifications or requirements	Mental Processes
12	Develop computer or information security policies or procedures	Mental Processes

Rank	Typical Job Skills	Typical Skill Category
13	Implement security measures for computer or information systems	Work Output
14	Monitor the security of digital information	Information Input
15	Develop specifications or procedures for website development or maintenance	Mental Processes
16	Provide customer service to clients or users	Interacting With Others
17	Provide technical support for computer network issues	Interacting With Others
18	Collaborate with others to develop or implement marketing strategies	Interacting With Others
19	Develop models of information or communications systems	Mental Processes
20	Prepare graphics or other visual representations of information	Mental Processes
21	Document design or development procedures	Work Output
22	Configure computer networks	Work Output
23	Recommend changes to improve computer or information systems	Interacting With Others
24	Develop testing routines or procedures	Mental Processes
25	Document network-related activities or tasks	Work Output
26	Evaluate utility of software or hardware technologies	Mental Processes
27	Provide recommendations to others about computer hardware	Interacting With Others
28	Install computer hardware	Work Output
29	Conduct research to gain information about products or processes	Information Input
30	Develop diagrams or flow charts of system operation	Mental Processes

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Personal Skills

This section shows the personal skills that are most useful for Web Developers. Click on a link in the Personal Skills column to view more detailed information.

Personal Skill	Skill Description	Rank by Importance (Out of 100)
Programming	Writing computer programs for various purposes.	78
Critical Thinking	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.	69
Reading Comprehension	Understanding written sentences and paragraphs in work related documents.	66

Personal Skill	Skill Description	Rank by Importance (Out of 100)
Operations Analysis	Analyzing needs and product requirements to create a design.	66
Complex Problem Solving	Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.	66
Active Listening	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.	63
Active Learning	Understanding the implications of new information for both current and future problem-solving and decision-making.	63
Judgment and Decision Making	Considering the relative costs and benefits of potential actions to choose the most appropriate one.	60
Speaking	Talking to others to convey information effectively.	56
Writing	Communicating effectively in writing as appropriate for the needs of the audience.	53
Systems Analysis	Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.	53
Time Management	Managing one's own time and the time of others.	50
Systems Evaluation	Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.	50
Coordination	Adjusting actions in relation to others' actions.	50
Monitoring	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.	50
Learning Strategies	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.	47
Social Perceptiveness	Being aware of others' reactions and understanding why they react as they do.	47
Persuasion	Persuading others to change their minds or behavior.	47
Service Orientation	Actively looking for ways to help people.	47
Instructing	Teaching others how to do something.	44
Negotiation	Bringing others together and trying to reconcile differences.	44
Quality Control Analysis	Conducting tests and inspections of products, services, or processes to evaluate quality or performance.	44

Personal Skill	Skill Description	Rank by Importance (Out of 100)
Mathematics	Using mathematics to solve problems.	44
Technology Design	Generating or adapting equipment and technology to serve user needs.	38
Management of Personnel Resources	Motivating, developing, and directing people as they work, identifying the best people for the job.	35
Operation Monitoring	Watching gauges, dials, or other indicators to make sure a machine is working properly.	31
Troubleshooting	Determining causes of operating errors and deciding what to do about it.	28
Equipment Selection	Determining the kind of tools and equipment needed to do a job.	25
Science	Using scientific rules and methods to solve problems.	25
Management of Material Resources	Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.	19
Management of Financial Resources	Determining how money will be spent to get the work done, and accounting for these expenditures.	19
Operation and Control	Controlling operations of equipment or systems.	16
Installation	Installing equipment, machines, wiring, or programs to meet specifications.	6
Equipment Maintenance	Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.	0
Repairing	Repairing machines or systems using the needed tools.	0

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Education Requirements

Web Developers There is no data available for Web Developers.

Source: This information is based on the BLS Occupational Outlook Handbook (OOH).

Required Level of Education

This section shows the results of a national survey listing the most common required level of education for Web Developers.

Rank	Required Level of Education	Percentage of Respondents
1	Bachelor's Degree	45.83%

Rank	Required Level of Education	Percentage of Respondents
2	Associate's Degree (or other 2-year degree)	16.67%
3	Post-Secondary Certificate - awarded for training completed after high school (for example, in agriculture or natural resources, computer services, personal or culinary services, engineering technologies, healthcare, construction trades, mechanic and repair technologies, or precision production)	16.67%
4	High School Diploma - or the equivalent (for example, GED)	8.33%
5	Less than a High School Diploma	4.17%
6	Some College Courses	4.17%
7	Post-Baccalaureate Certificate - awarded for completion of an organized program of study; designed for people who have completed a Baccalaureate degree but do not meet the requirements of academic degrees carrying the title of Master.	4.17%

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

On The Job Training

This section shows the results of a national survey listing the most common lengths of on the job training for Web Developers.

Rank	On The Job Training	Percentage of Respondents
1	Anything beyond short demonstration, up to and including 1 month	29.17%
2	Over 1 month, up to and including 3 months	16.67%
3	Over 3 months, up to and including 6 months	16.67%
4	Over 6 months, up to and including 1 year	12.50%
5	None or short demonstration	12.50%
6	Over 1 year, up to and including 2 years	8.33%
7	Over 2 years, up to and including 4 years	4.17%

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

On-Site or In-Plant Training

This section shows the results of a national survey listing the most common lengths of on-site or in-plant training for Web Developers.

Rank	On-Site or In-Plant Training	Percentage of Respondents
1	None	41.67%
2	Over 1 month, up to and including 3 months	16.67%
3	Over 3 months, up to and including 6 months	12.50%

Rank	On-Site or In-Plant Training	Percentage of Respondents
4	Over 1 year, up to and including 2 years	12.50%
5	Up to and including 1 month	12.50%
6	Over 2 years, up to and including 4 years	4.17%

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Education Level of Jobs and Candidates

This section shows the minimum level of education requested by employers on job openings and green jobs advertised online, as well as the educational attainment of potential candidates in the workforce system that are looking for jobs as Web Developers in Louisiana on December 3, 2020. There were 2 job openings advertised online that did not specify a minimum education requirement (Jobs De-duplication Level 2).

Rank	Education Level	Job Openings	Percentage of Job Openings	Green Job Count	Percentage of Green Jobs	Potential Candidates	Percentage of Potential Candidates
1	No Minimum Education Requirement	1	20.00%	0	0.00%	0	N/A
2	High School Diploma or Equivalent	0	N/A	0	N/A	8	19.05%
3	1 Year of College or a Technical or Vocational School	0	N/A	0	N/A	3	7.14%
4	2 Years of College or a Technical or Vocational School	1	20.00%	0	0.00%	2	4.76%
5	3 Years of College or a Technical or Vocational School	0	N/A	0	N/A	5	11.90%
6	Vocational School Certificate	0	N/A	0	N/A	1	2.38%
7	Associate's Degree	0	N/A	0	N/A	2	4.76%
8	Bachelor's Degree	1	20.00%	0	0.00%	18	42.86%
9	Master's Degree	0	N/A	0	N/A	3	7.14%
10	Not Specified	2	40.00%	0	0.00%	0	N/A

Job Source: Online advertised jobs data
Candidate Source: Individuals with active résumés in the workforce system.

Education Training Programs

This section shows the Education Training Programs for Web Developers in Louisiana.

Provider Name	Program Name	Location	Tuition	Length	WIOA Eligible
Baton Rouge Community College	Computer Science Associate of Science An associate degree	Baton Rouge, LA	$10,553	4 Semesters	✅
Baton Rouge Community College	Computer Science Associate of Science (AS)	Baton Rouge, LA	$7,648	5 Semesters	
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Baton Rouge, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Baton Rouge, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	New Roads, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Baton Rouge, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Central, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Jackson, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Port Allen, LA	$4,500	120 Hours	✅
Baton Rouge Community College	Futures Fund Coding Boot Camp An industry-recognized certificate or certification	Baton Rouge, LA	$4,500	120 Hours	✅

Source: U.S. Department of Commerce, Bureau of the Census, Midyear Estimates

Advertised Job Certifications

There is no data available for Web Developers in Louisiana.

Training Program Completers

There is no data available for Web Developers in Louisiana.

National Education, Training, Licensing and Qualifications

Web Developers
Educational requirements for web developers vary with the setting they work in and the type of work they do. Web developers need knowledge of both programming and graphic design.

Education

Educational requirements for web developers vary with the setting they work in and the type of work they do. Requirements range from a high school diploma to a bachelor's degree. An associate's degree in web design or related field is the most common requirement.

However, for more specialized developer positions, such as back-end web developers, some employers prefer workers who have at least a bachelor's degree in computer science, programming, or a related field.

Web developers need to have a thorough understanding of HTML programming. Many employers also want developers to understand other programming languages, such as JavaScript or SQL, and have knowledge of multimedia publishing tools, such as Flash. Throughout their career, web developers must keep up to date on new tools and computer languages.

Some employers prefer web developers who have both a computer degree and coursework in graphic design, especially if the developer will be heavily involved in the website's visual appearance.

Advancement

Web developers who have a bachelor's degree can advance to become project managers. For more information, see the profile on
computer and information systems managers

.

Important Qualities

Concentration
.
Web developers must sit at a computer and write detailed code for long periods.

Creativity
.
Web developers often are involved in designing the appearance of a website and must make sure that it is appealing as well as functional.

Customer-service skills
.
Webmasters have to respond politely and correctly to user questions and requests.

Detail oriented

.

Web developers need to have an eye for detail, because a minor error in coding could cause an entire webpage to stop working.

Typical Work Experience Requirements

Web Developers Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

Related Work Experience

This section shows the results of a national survey listing the most common related work experience for Web Developers.

Rank	Related Work Experience	Percentage of Respondents
1	Over 1 year, up to and including 2 years	29.17%
2	Over 2 years, up to and including 4 years	25.00%
3	Over 6 months, up to and including 1 year	20.83%
4	None	12.50%
5	Over 4 years, up to and including 6 years	12.50%

Work Experience of Jobs and Candidates

This section shows the minimum required work experience requested by employers on job openings and green jobs advertised online, as well as the experience level of potential candidates in the workforce system that are looking for jobs as Web Developers in Louisiana on December 3, 2020. There were 2 job openings advertised online that did not specify a minimum experience requirement (Jobs De-duplication Level 2).

Rank	Experience	Job Openings	Percentage of Job Openings	Green Job Count	Percentage of Green Jobs	Potential Candidates	Percentage of Potential Candidates
1	Not Specified	2	40.00%	0	0.00%	0	N/A
2	Less than 1 year	0	N/A	0	N/A	7	16.67%
3	1 Year to 2 Years	1	20.00%	0	0.00%	2	4.76%
4	2 Years to 5 Years	2	40.00%	0	0.00%	5	11.91%

Rank	Experience	Job Openings	Percentage of Job Openings	Green Job Count	Percentage of Green Jobs	Potential Candidates	Percentage of Potential Candidates
5	5 Years to 10 Years	0	N/A	0	N/A	8	19.05%
6	More than 10 Years	0	N/A	0	N/A	20	47.62%

Job Source: Online advertised jobs data
Candidate Source: Individuals with active résumés in the workforce system.

Current Job Order Wage Information

The employer has NOT indicated a salary range for this job. The information below shows statistics on typical salaries in the local labor market for Web Developers. This data is NOT an indication of what this employer is willing to pay for this job.

Employment Wage Statistics

This section shows the estimated employment wage statistics for individuals in Louisiana employed for Web Developers in 2018.

Rate Type / Statistical Type	Q1	Entry level	Median	Experienced	Q3
Annual wage or salary	$43,184	$32,134	$56,619	$66,895	$64,331
Hourly wage	$20.76	$15.45	$27.22	$32.16	$30.93

Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

Wage Rates on Advertised Jobs

This section shows a statistical breakdown of available wage data on the 5 job openings advertised online for Web Developers in Louisiana that posted a salary on December 3, 2020.

Rate Type / Statistical Type	Entry Level	Median	Experienced
Annual wage or salary	N/A	N/A	N/A
Hourly Wage	N/A	N/A	N/A

Source: Online advertised jobs data
Note: This information is based on actual job orders and is not based on a statistically valid labor market survey. Hourly wage rate calculations in this section assume a 40 hour work week.

Desired Salary of Available Candidates

This section shows the desired salary of potential candidates in the workforce system that are looking for jobs as Web Developers in Louisiana on December 3, 2020.

Rank	Desired Salary	Potential Candidates	Percentage of Potential Candidates
1	Not Specified	11	26.19%
2	$20,000 - $34,999	8	19.05%
3	$35,000 - $49,999	7	16.67%
4	$50,000 - $64,999	9	21.43%
5	$65,000 - $79,999	3	7.14%
6	$80,000 - $94,999	3	7.14%
7	$95,000 or more	1	2.38%

Source: Individuals with active résumés in the workforce system.

Wage Rates Area Distribution

There is no data available for Web Developers in Louisiana.

Wage Rates in Related Occupations

This section shows a comparison of 2018 median annual rates for occupations that are in the same occupational family as Web Developers for Louisiana.

Rank	Occupation	Median	*Related By
1	Petroleum Engineers	$128,991	O*NET
2	Marine Architects◊	$100,943	O*NET
3	Validation Engineers🍃	$81,992	O*NET
4	Energy Engineers🍃	$81,992	O*NET
5	Commercial and Industrial Designers🍃	$81,217	O*NET
6	Database Administrators◊	$80,017	O*NET
7	Software Developers, Applications◊	$79,753	O*NET
8	Software Developers, Systems Software◊🍃	$73,552	O*NET
9	Computer Network Architects	$73,217	O*NET
10	Information Security Analysts◊	$72,516	O*NET
11	Logistics Engineers🍃	$72,442	O*NET
12	Technical Writers◊	$71,347	O*NET
13	Cartographers and Photogrammetrists◊	$71,255	O*NET
14	Computer Systems Analysts◊	$68,543	O*NET
15	Computer Programmers	$66,543	O*NET
16	Network and Computer Systems Administrators	$64,569	O*NET
17	Software Quality Assurance Engineers and Testers◊	$62,800	O*NET

Rank	Occupation	Median	*Related By
18	Computer Systems Engineers/Architects✷	$62,800	O*NET
19	Web Administrators✷	$62,800	O*NET
20	Geospatial Information Scientists and Technologists✷ 🍃	$62,800	O*NET
21	Geographic Information Systems Technicians✷ 🍃	$62,800	O*NET
22	Mechanical Drafters	$59,085	O*NET
23	Architectural Drafters🍃	$54,493	O*NET
24	Multimedia Artists and Animators	$50,269	O*NET
25	Statistical Assistants✷	$46,956	O*NET
26	Computer User Support Specialists✷	$45,715	O*NET
27	Graphic Designers	$41,515	O*NET
28	Editors	$38,209	O*NET
29	Computer Operators	$36,570	O*NET
30	Poets, Lyricists and Creative Writers	$36,033	O*NET
31	Desktop Publishers	$28,717	O*NET
*	Film and Video Editors✷	Confidential	O*NET

✷ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

* Rank is suppressed for confidential data.

Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.
*Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

Wage Rates by Industry

There is no data available for Web Developers in Louisiana.

National Earnings Data Summary

Web Developers
The median annual wage for web developers was $73,760 in May 2019. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than $39,550, and the highest 10 percent earned more than $142,080.

In May 2019, the median annual wages for web developers in the top industries in which they worked were as follows:

Publishing industries (except Internet)	$121,160
Computer systems design and related services	72,050
Management, scientific, and technical consulting services	68,560
Advertising, public relations, and related services	68,050

Most web developers work full time.

Occupational Employment & Future Employment Outlook

This section shows the long term employment projections for Web Developers in Louisiana from 2016-2026.

Occupation	2016 Estimated Employment	2026 Projected Employment	Total 2016-2026 Employment Change	2016-2026 Annual Avg. Percent Change
Web Developers	560	767	207	3.20%
Total All	2,034,986	2,203,144	168,158	0.80%

Employment Data Area Distribution

This section shows the distribution of the estimated employment for Web Developers in Louisiana by regional labor market area.

Rank	Area	2016 Estimated Employment
1	1st Regional Labor Market Area, New Orleans	222
2	2nd Regional Labor Market Area, Baton Rouge	114
3	4th Regional Labor Market Area, Lafayette	53
4	3rd Regional Labor Market Area, Houma	52
5	7th Regional Labor Market Area, Shreveport	50
6	8th Regional Labor Market Area, Monroe	31
7	5th Regional Labor Market Area, Lake Charles	26
*	6th Regional Labor Market Area, Alexandria	Confidential

* Rank is suppressed for confidential data.

Estimated Employment

| 27 - 31 | 32 - 50 | 51 - 52 | 53 | 54 - 114 | 114 - 222 | N/A |
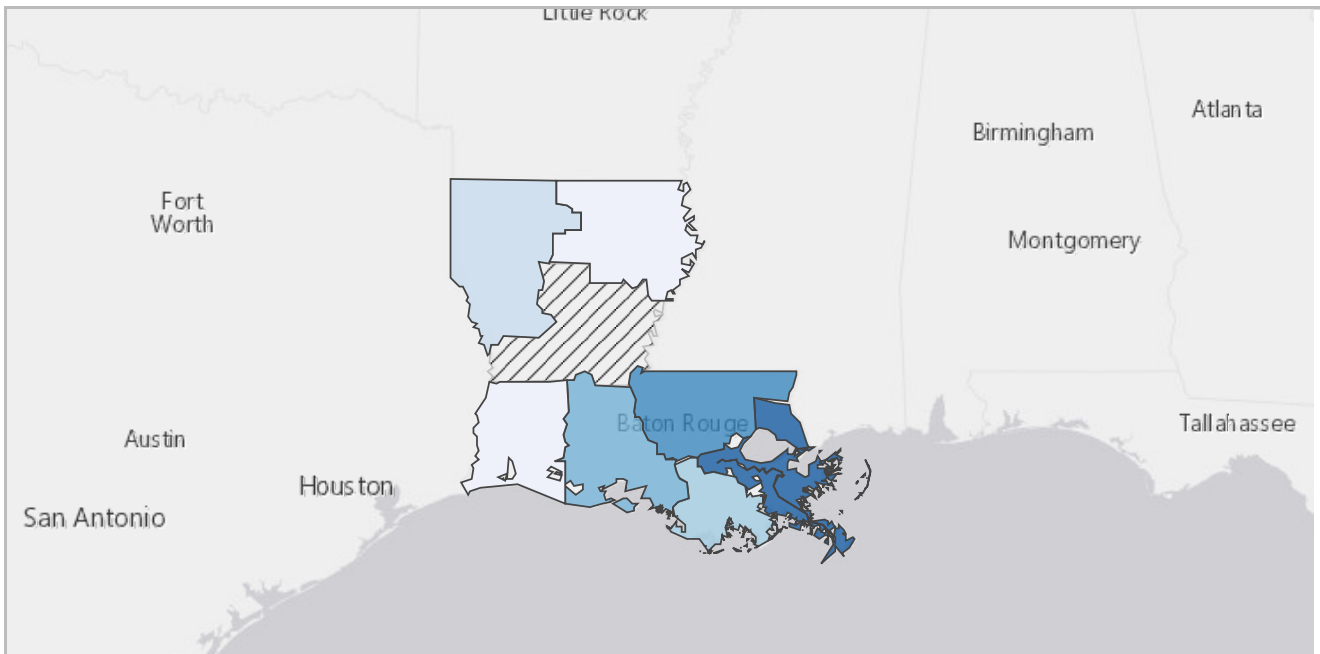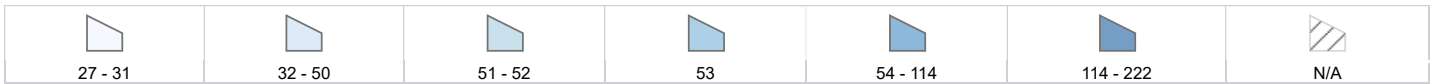
Source: Labor Market Statistics, Occupational Employment Projections Program

Employment Data in Related Occupations

This section shows the 2016 Estimated Employment in Louisiana for occupations related to Web Developers.

Rank	Occupation	2016 Estimated Employment	*Related By
1	Energy Engineers🌿	3,698	O*NET
2	Validation Engineers🌿	3,698	O*NET
3	Computer User Support Specialists⚙	3,524	O*NET
4	Network and Computer Systems Administrators	2,953	O*NET
5	Computer Systems Engineers/Architects⚙	2,873	O*NET
6	Geographic Information Systems Technicians⚙ 🌿	2,873	O*NET
7	Geospatial Information Scientists and Technologists⚙ 🌿	2,873	O*NET
8	Software Quality Assurance Engineers and Testers⚙	2,873	O*NET
9	Web Administrators⚙	2,873	O*NET
10	Computer Programmers	2,505	O*NET
11	Graphic Designers	2,068	O*NET
12	Computer Systems Analysts⚙	1,971	O*NET

Rank	Occupation	2016 Estimated Employment	*Related By
13	Petroleum Engineers	1,645	O*NET
14	Software Developers, Applications☀	1,411	O*NET
15	Software Developers, Systems Software☀🍃	1,203	O*NET
16	Architectural Drafters🍃	1,134	O*NET
17	Mechanical Drafters	978	O*NET
18	Logistics Engineers🍃	795	O*NET
19	Information Security Analysts☀	757	O*NET
20	Poets, Lyricists and Creative Writers	596	O*NET
21	Editors	577	O*NET
22	Multimedia Artists and Animators	531	O*NET
23	Database Administrators☀	508	O*NET
24	Computer Operators	439	O*NET
25	Commercial and Industrial Designers🍃	423	O*NET
26	Marine Architects☀	256	O*NET
27	Desktop Publishers	247	O*NET
28	Computer Network Architects	246	O*NET
29	Film and Video Editors☀	224	O*NET
30	Technical Writers☀	223	O*NET
31	Statistical Assistants☀	82	O*NET
*	Cartographers and Photogrammetrists☀	Confidential	O*NET

☀ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

* Rank is suppressed for confidential data.

Source: Occupational Employment Projections
*Related By: O*NET™ – The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

Projected Annual Openings

This section shows the long term projected annual openings for Web Developers in Louisiana from 2016 to 2026.

Occupation	Total Annual Average Openings	Annual Average Openings Due to Growth	Annual Average Openings Due to Replacement
Web Developers	N/A	N/A	N/A
Computer and Mathematical	N/A	N/A	N/A

Source: Labor Market Statistics, Occupational Employment Projections Program

Projected Annual Openings Area Distribution

This section shows the distribution of the total annual average openings for Web Developers in Louisiana by regional labor market area from 2016 to 2026.

Rank	Area	Total Annual Average Openings
1	1st Regional Labor Market Area, New Orleans	N/A
2	2nd Regional Labor Market Area, Baton Rouge	N/A
3	3rd Regional Labor Market Area, Houma	N/A
4	4th Regional Labor Market Area, Lafayette	N/A
5	5th Regional Labor Market Area, Lake Charles	N/A
6	7th Regional Labor Market Area, Shreveport	N/A
7	8th Regional Labor Market Area, Monroe	N/A
*	6th Regional Labor Market Area, Alexandria	Confidential

* Rank is suppressed for confidential data.

There is no total annual average openings data available for Web Developers in Louisiana.

Source: Labor Market Statistics, Occupational Employment Projections Program

Projected Annual Openings in Related Occupations

This section shows the projected total annual average openings in Louisiana for occupations related to Web Developers from 2016 to 2026.

Rank	Occupation	Total Annual Average Openings	*Related By
1	Architectural Drafters 🌿	N/A	O*NET
2	Commercial and Industrial Designers 🌿	N/A	O*NET
3	Computer Network Architects	N/A	O*NET
4	Computer Operators	N/A	O*NET
5	Computer Programmers	N/A	O*NET
6	Computer Systems Analysts ⬡	N/A	O*NET
7	Computer Systems Engineers/Architects ⬡	N/A	O*NET
8	Computer User Support Specialists ⬡	N/A	O*NET
9	Database Administrators ⬡	N/A	O*NET
10	Desktop Publishers	N/A	O*NET
11	Editors	N/A	O*NET
12	Energy Engineers 🌿	N/A	O*NET
13	Film and Video Editors ⬡	N/A	O*NET
14	Geographic Information Systems Technicians ⬡ 🌿	N/A	O*NET

Rank	Occupation	Total Annual Average Openings	*Related By
15	Geospatial Information Scientists and Technologists ✿ 🍃	N/A	O*NET
16	Graphic Designers	N/A	O*NET
17	Information Security Analysts ✿	N/A	O*NET
18	Logistics Engineers 🍃	N/A	O*NET
19	Marine Architects ✿	N/A	O*NET
20	Mechanical Drafters	N/A	O*NET
21	Multimedia Artists and Animators	N/A	O*NET
22	Network and Computer Systems Administrators	N/A	O*NET
23	Petroleum Engineers	N/A	O*NET
24	Poets, Lyricists and Creative Writers	N/A	O*NET
25	Software Developers, Applications ✿	N/A	O*NET
26	Software Developers, Systems Software ✿ 🍃	N/A	O*NET
27	Software Quality Assurance Engineers and Testers ✿	N/A	O*NET
28	Statistical Assistants ✿	N/A	O*NET
29	Technical Writers ✿	N/A	O*NET
30	Validation Engineers 🍃	N/A	O*NET
31	Web Administrators ✿	N/A	O*NET
*	Cartographers and Photogrammetrists ✿	Confidential	O*NET

✿ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

* Rank is suppressed for confidential data.

Source: Occupational Employment Projections

Industries by Employment

This section shows the industries that employed the highest number of Web Developers in Louisiana in 2016.

Rank	Industry Title	Estimated Employment	Percent of Total Employment
1	Professional, Scientific, and Technical Services	279	49.82%
2	Self-Employed and Unpaid Family Workers, Primary Job	91	16.25%
3	Educational Services	30	5.36%
*	Oil and Gas Extraction	Confidential	Confidential
*	Fabricated Metal Product Manufacturing	Confidential	Confidential
*	Machinery Manufacturing	Confidential	Confidential
*	Electrical Equipment, Appliance, and Component Manufacturing	Confidential	Confidential
*	Merchant Wholesalers, Durable Goods	Confidential	Confidential

Rank	Industry Title	Estimated Employment	Percent of Total Employment
*	Merchant Wholesalers, Nondurable Goods	Confidential	Confidential
*	Nonstore Retailers	Confidential	Confidential

* Rank is suppressed for confidential data.

Source: Louisiana Workforce Commission, Occupational Projections Program

Work Activities

This section shows the most common work activities required by Web Developers in order of importance. Click on a link in the Work Activity column to view more detailed information.

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
Interacting With Computers	Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.	97
Getting Information	Observing, receiving, and otherwise obtaining information from all relevant sources.	87
Thinking Creatively	Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.	85
Updating and Using Relevant Knowledge	Keeping up-to-date technically and applying new knowledge to your job.	82
Making Decisions and Solving Problems	Analyzing information and evaluating results to choose the best solution and solve problems.	81
Processing Information	Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.	78
Organizing, Planning, and Prioritizing Work	Developing specific goals and plans to prioritize, organize, and accomplish your work.	73
Communicating with Supervisors, Peers, or Subordinates	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.	72
Identifying Objects, Actions, and Events	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.	67
Analyzing Data or Information	Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.	64
Establishing and Maintaining Interpersonal Relationships	Developing constructive and cooperative working relationships with others, and maintaining them over time.	64

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
Scheduling Work and Activities	Scheduling events, programs, and activities, as well as the work of others.	62
Documenting/Recording Information	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.	62
Estimating the Quantifiable Characteristics of Products, Events, or Information	Estimating sizes, distances, and quantities; or determining time, costs, resources, or materials needed to perform a work activity.	58
Evaluating Information to Determine Compliance with Standards	Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.	58
Developing Objectives and Strategies	Establishing long-range objectives and specifying the strategies and actions to achieve them.	58
Interpreting the Meaning of Information for Others	Translating or explaining what information means and how it can be used.	58
Provide Consultation and Advice to Others	Providing guidance and expert advice to management or other groups on technical, systems-, or process-related topics.	57
Developing and Building Teams	Encouraging and building mutual trust, respect, and cooperation among team members.	56
Judging the Qualities of Things, Services, or People	Assessing the value, importance, or quality of things or people.	51
Communicating with Persons Outside Organization	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail.	51
Monitor Processes, Materials, or Surroundings	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.	49
Resolving Conflicts and Negotiating with Others	Handling complaints, settling disputes, and resolving grievances and conflicts, or otherwise negotiating with others.	47
Training and Teaching Others	Identifying the educational needs of others, developing formal educational or training programs or classes, and teaching or instructing others.	46
Coordinating the Work and Activities of Others	Getting members of a group to work together to accomplish tasks.	45

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
Guiding, Directing, and Motivating Subordinates	Providing guidance and direction to subordinates, including setting performance standards and monitoring performance.	42
Performing Administrative Activities	Performing day-to-day administrative tasks such as maintaining information files and processing paperwork.	40
Coaching and Developing Others	Identifying the developmental needs of others and coaching, mentoring, or otherwise helping others to improve their knowledge or skills.	38
Inspecting Equipment, Structures, or Material	Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.	37
Monitoring and Controlling Resources	Monitoring and controlling resources and overseeing the spending of money.	36
Selling or Influencing Others	Convincing others to buy merchandise/goods or to otherwise change their minds or actions.	32
Controlling Machines and Processes	Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).	25
Staffing Organizational Units	Recruiting, interviewing, selecting, hiring, and promoting employees in an organization.	25
Assisting and Caring for Others	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.	23
Performing for or Working Directly with the Public	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.	20

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Tasks

This section shows the most common tasks required by Web Developers in order of importance. Click on a link in the Task column to view more detailed information.

Tasks	Task Description	Rank by Importance (Out of 100)
Write supporting code for web applications or web sites.	Core	90
Design, build, or maintain web sites, using authoring or scripting languages, content creation tools, management tools, and digital media.	Core	86

Tasks	Task Description	Rank by Importance (Out of 100)
Back up files from web sites to local directories for instant recovery in case of problems.	Core	84
Write, design, or edit web page content, or direct others producing content.	Core	83
Select programming languages, design tools, or applications.	Core	79
Evaluate code to ensure that it is valid, is properly structured, meets industry standards, and is compatible with browsers, devices, or operating systems.	Core	77
Identify problems uncovered by testing or customer feedback, and correct problems or refer problems to appropriate personnel for correction.	Core	77
Develop databases that support web applications and web sites.	Core	76
Perform Web site tests according to planned schedules, or after any Web site or product revision.	Core	76
Perform or direct web site updates.	Core	75
Maintain understanding of current web technologies or programming practices through continuing education, reading, or participation in professional conferences, workshops, or groups.	Core	71
Analyze user needs to determine technical requirements.	Core	70
Design and implement Web site security measures, such as firewalls or message encryption.	Core	69
Incorporate technical considerations into web site design plans, such as budgets, equipment, performance requirements, or legal issues including accessibility and privacy.	Core	67
Renew domain name registrations.	Core	67
Respond to user email inquiries, or set up automated systems to send responses.	Core	67
Confer with management or development teams to prioritize needs, resolve conflicts, develop content criteria, or choose solutions.	Core	65
Communicate with network personnel or web site hosting agencies to address hardware or software issues affecting web sites.	Core	64
Collaborate with management or users to develop e-commerce strategies and to integrate these strategies with web sites.	Core	64
Develop web site maps, application models, image templates, or page templates that meet project goals, user needs, or industry standards.	Core	64
Document test plans, testing procedures, or test results.	Core	64

Tasks	Task Description	Rank by Importance (Out of 100)
Develop and document style guidelines for web site content.	Core	63
Identify or maintain links to and from other web sites and check links to ensure proper functioning.	Core	63
Establish appropriate server directory trees.	Core	62
Develop or validate test routines and schedules to ensure that test cases mimic external interfaces and address all browser and device types.	Core	60
Recommend and implement performance improvements.	Core	60
Register web sites with search engines to increase web site traffic.	Core	59
Document technical factors such as server load, bandwidth, database performance, and browser and device types.	Core	59
Develop or implement procedures for ongoing web site revision.	Core	57
Create web models or prototypes that include physical, interface, logical, or data models.	Core	55
Provide clear, detailed descriptions of Web site specifications, such as product features, activities, software, communication protocols, programming languages, and operating systems software and hardware.	Core	55
Evaluate or recommend server hardware or software.	Core	53
Create searchable indices for web page content.	Core	51
Monitor security system performance logs to identify problems and notify security specialists when problems occur.	Supplemental	68
Install and configure hypertext transfer protocol (HTTP) servers and associated operating systems.	Supplemental	49
Research, document, rate, or select alternatives for web architecture or technologies.	Supplemental	44
Develop system interaction or sequence diagrams.	Supplemental	43

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

National Working Conditions

Web Developers

Web developers held about 174,300 jobs in 2019. The largest employers of web developers were as follows:

Computer systems design and related services	17%
Publishing industries (except Internet)	10
Self-employed workers	10
Management, scientific, and technical consulting services	5
Advertising, public relations, and related services	4

Work Schedules

Most web developers work full time.

Typical Work Conditions

This section shows the most common work conditions required by Web Developers in order of importance.

Work Condition	Work Condition Description	Rank by Importance (Out of 100)
Electronic Mail	How often do you use electronic mail in this job?	95
Spend Time Sitting	How much does this job require sitting?	95
Freedom to Make Decisions	How much decision making freedom, without supervision, does the job offer?	86
Indoors, Environmentally Controlled	How often does this job require working indoors in environmentally controlled conditions?	85
Face-to-Face Discussions	How often do you have to have face-to-face discussions with individuals or teams in this job?	83
Importance of Being Exact or Accurate	How important is being very exact or highly accurate in performing this job?	81
Telephone	How often do you have telephone conversations in this job?	79
Importance of Repeating Same Tasks	How important is repeating the same physical activities (e.g., key entry) or mental activities (e.g., checking entries in a ledger) over and over, without stopping, to performing this job?	79
Structured versus Unstructured Work	To what extent is this job structured for the worker, rather than allowing the worker to determine tasks, priorities, and goals?	77
Spend Time Making Repetitive Motions	How much does this job require making repetitive motions?	76
Work With Work Group or Team	How important is it to work with others in a group or team in this job?	75
Time Pressure	How often does this job require the worker to meet strict deadlines?	75
Contact With Others	How much does this job require the worker to be in contact with others (face-to-face, by telephone, or otherwise) in order to perform it?	72
Level of Competition	To what extent does this job require the worker to compete or to be aware of competitive pressures?	71

Work Condition	Work Condition Description	Rank by Importance (Out of 100)
Impact of Decisions on Co-workers or Company Results	What results do your decisions usually have on other people or the image or reputation or financial resources of your employer?	63
Frequency of Decision Making	How frequently is the worker required to make decisions that affect other people, the financial resources, and/or the image and reputation of the organization?	56
Spend Time Using Your Hands to Handle, Control, or Feel Objects, Tools, or Controls	How much does this job require using your hands to handle, control, or feel objects, tools or controls?	55
Responsibility for Outcomes and Results	How responsible is the worker for work outcomes and results of other workers?	53
Coordinate or Lead Others	How important is it to coordinate or lead others in accomplishing work activities in this job?	51
Frequency of Conflict Situations	How often are there conflict situations the employee has to face in this job?	47
Consequence of Error	How serious would the result usually be if the worker made a mistake that was not readily correctable?	47
Physical Proximity	To what extent does this job require the worker to perform job tasks in close physical proximity to other people?	44
Sounds, Noise Levels Are Distracting or Uncomfortable	How often does this job require working exposed to sounds and noise levels that are distracting or uncomfortable?	44
Letters and Memos	How often does the job require written letters and memos?	39
Deal With Unpleasant or Angry People	How frequently does the worker have to deal with unpleasant, angry, or discourteous individuals as part of the job requirements?	38
Deal With External Customers	How important is it to work with external customers or the public in this job?	37
Degree of Automation	How automated is the job?	25
Public Speaking	How often do you have to perform public speaking in this job?	24
Responsible for Others' Health and Safety	How much responsibility is there for the health and safety of others in this job?	21

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Work Values and Needs

This section shows the information on the current work values for your selected occupation.

Work Value	Work Value Description	Rank By Extent (Out of 100)
Independence	Occupations that satisfy this work value allow employees to work on their own and make decisions. Corresponding needs are Creativity, Responsibility and Autonomy.	78
Working Conditions	Occupations that satisfy this work value offer job security and good working conditions. Corresponding needs are Activity, Compensation, Independence, Security, Variety and Working Conditions.	72
Achievement	Occupations that satisfy this work value are results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment. Corresponding needs are Ability Utilization and Achievement.	67
Recognition	Occupations that satisfy this work value offer advancement, potential for leadership, and are often considered prestigious. Corresponding needs are Advancement, Authority, Recognition and Social Status.	67
Support	Occupations that satisfy this work value offer supportive management that stands behind employees. Corresponding needs are Company Policies, Supervision: Human Relations and Supervision: Technical.	56
Relationships	Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment. Corresponding needs are Co-workers, Moral Values and Social Service.	50

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Tools

This section shows common tools used by Web Developers.

Detailed Tool	Tool Group
Application servers	Computer servers
Web servers	Computer servers
Desktop computers	Desktop computers
Universal serial bus USB flash drives	High capacity removable media drives
Laptop computers	Notebook computers
Personal computers	Personal computers

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Technology

This section shows common technology used by Web Developers.

Detailed Technology	Technology Group
IBM SPSS Statistics	Analytical or scientific software
SAS	Analytical or scientific software
The MathWorks MATLAB	Analytical or scientific software
Docker	Application server software
GitHub	Application server software
Oracle WebLogic Server	Application server software
Red Hat WildFly	Application server software
Spring Boot	Application server software
IBM Cognos Impromptu	Business intelligence and data analysis software
MicroStrategy	Business intelligence and data analysis software
Oracle Business Intelligence Enterprise Edition	Business intelligence and data analysis software
Qlik Tech QlikView	Business intelligence and data analysis software
Tableau	Business intelligence and data analysis software
IBM Domino	Communications server software
Chef	Configuration management software
Perforce Helix software	Configuration management software
Puppet	Configuration management software
Atlassian JIRA	Content workflow software
Sitecore CMS	Content workflow software
Oracle Eloqua	Customer relationship management CRM software
Salesforce software	Customer relationship management CRM software
Amazon DynamoDB	Data base management system software
Amazon Kinesis	Data base management system software
Apache Cassandra	Data base management system software
Apache Hadoop	Data base management system software
Apache Hive	Data base management system software
Apache Pig	Data base management system software
Apache Solr	Data base management system software
Elasticsearch	Data base management system software
MongoDB	Data base management system software
MySQL	Data base management system software
NoSQL	Data base management system software
Oracle PL/SQL	Data base management system software

Detailed Technology	Technology Group
Relational database management software	Data base management system software
Teradata Database	Data base management system software
Microsoft SQL Server Reporting Services	Data base reporting software
SAP Crystal Reports	Data base reporting software
Amazon Elastic Compute Cloud EC2	Data base user interface and query software
Amazon Redshift	Data base user interface and query software
Amazon Web Services AWS software	Data base user interface and query software
Blackboard	Data base user interface and query software
Data entry software	Data base user interface and query software
FileMaker Pro	Data base user interface and query software
IBM Informix	Data base user interface and query software
MarkLogic	Data base user interface and query software
Microsoft Access	Data base user interface and query software
Microsoft SQL Server	Data base user interface and query software
Oracle JDBC	Data base user interface and query software
Oracle software	Data base user interface and query software
Structured query language SQL	Data base user interface and query software
Transact-SQL	Data base user interface and query software
Google Analytics	Data mining software
Adobe Systems Adobe InDesign	Desktop publishing software
Microsoft Publisher	Desktop publishing software
Adobe Systems Adobe ActionScript	Development environment software
Apache Ant	Development environment software
Apache Kafka	Development environment software
Apache Maven	Development environment software
C	Development environment software
Common business oriented language COBOL	Development environment software
Eclipse IDE	Development environment software
Go	Development environment software
IBM Rational Rose	Development environment software
Integrated development environment IDE software	Development environment software
Microsoft .NET Framework	Development environment software
Microsoft Azure	Development environment software
Microsoft PowerShell	Development environment software
Microsoft Visual Basic	Development environment software

Detailed Technology	Technology Group
Microsoft Visual Basic for Applications VBA	Development environment software
Microsoft Visual Basic Scripting Edition VBScript	Development environment software
Microsoft Visual SourceSafe	Development environment software
Microsoft Visual Studio	Development environment software
Oracle Java 2 Platform Enterprise Edition J2EE	Development environment software
Ruby	Development environment software
Subversion	Development environment software
Adobe Systems Adobe Acrobat	Document management software
IBM Notes	Electronic mail software
Atlassian Bamboo	Enterprise application integration software
Common gateway interface CGI	Enterprise application integration software
Extensible markup language XML	Enterprise application integration software
Extensible stylesheet language XSL	Enterprise application integration software
IBM InfoSphere DataStage	Enterprise application integration software
IBM WebSphere	Enterprise application integration software
Microsoft SQL Server Integration Services SSIS	Enterprise application integration software
Oracle Fusion Middleware	Enterprise application integration software
Microsoft Dynamics	Enterprise resource planning ERP software
NetSuite ERP	Enterprise resource planning ERP software
Oracle Fusion Applications	Enterprise resource planning ERP software
Oracle JD Edwards EnterpriseOne	Enterprise resource planning ERP software
SAP	Enterprise resource planning ERP software
SAP Business Objects	Enterprise resource planning ERP software
IBM Power Systems software	Enterprise system management software
Splunk Enterprise	Enterprise system management software
Ansible software	Expert system software
Apache Subversion SVN	File versioning software
Git	File versioning software
Delphi Technology	Financial analysis software
Salesforce Visualforce	Graphical user interface development software
Adobe Systems Adobe Creative Cloud	Graphics or photo imaging software
Adobe Systems Adobe Fireworks	Graphics or photo imaging software
Adobe Systems Adobe Flash	Graphics or photo imaging software
Adobe Systems Adobe Illustrator	Graphics or photo imaging software
Adobe Systems Adobe Photoshop	Graphics or photo imaging software

Detailed Technology	Technology Group
Microsoft Visio	Graphics or photo imaging software
SmugMug Flickr	Graphics or photo imaging software
Trimble SketchUp Pro	Graphics or photo imaging software
Atlassian HipChat	Instant messaging software
ESRI ArcGIS software	Map creation software
Geographic information system GIS software	Map creation software
Epic Systems	Medical software
CA Erwin Data Modeler	Metadata management software
Nagios	Network monitoring software
Wireshark	Network monitoring software
Advanced business application programming ABAP	Object or component oriented development software
Apache Groovy	Object or component oriented development software
Apache Spark	Object or component oriented development software
Apple Cocoa	Object or component oriented development software
C#	Object or component oriented development software
C++	Object or component oriented development software
jQuery	Object or component oriented development software
Jupyter Notebook	Object or component oriented development software
Microsoft ActiveX	Object or component oriented development software
Microsoft Visual Basic.NET	Object or component oriented development software
Microsoft Visual C# .NET	Object or component oriented development software
Objective C	Object or component oriented development software
Oracle Java	Object or component oriented development software
Practical extraction and reporting language Perl	Object or component oriented development software
Python	Object or component oriented development software
R	Object or component oriented development software
Scala	Object or component oriented development software
Swift	Object or component oriented development software
Hibernate ORM	Object oriented data base management software
PostgreSQL	Object oriented data base management software
Google Drive	Office suite software
Microsoft Office	Office suite software
Android	Operating system software
Apple macOS	Operating system software
Bash	Operating system software

Detailed Technology	Technology Group
Hewlett Packard HP-UX	Operating system software
Job control language JCL	Operating system software
KornShell	Operating system software
Linux	Operating system software
Microsoft Windows	Operating system software
Microsoft Windows Server	Operating system software
Oracle Solaris	Operating system software
Red Hat Enterprise Linux	Operating system software
Shell script	Operating system software
Ubuntu	Operating system software
UNIX	Operating system software
UNIX Shell	Operating system software
Apache HTTP Server	Portal server software
Hewlett Packard LoadRunner	Program testing software
Junit	Program testing software
Selenium	Program testing software
Travis	Program testing software
Atlassian Confluence	Project management software
Confluence	Project management software
Microsoft Project	Project management software
Microsoft SharePoint	Project management software
Unified modeling language UML	Requirements analysis and system architecture software
Google AdWords	Sales and marketing software
Marketo Marketing Automation	Sales and marketing software
Microsoft Excel	Spreadsheet software
Customer information control system CICS	Transaction server software
Microsoft Internet Information Service IIS	Transaction server software
Adobe Systems Adobe AfterEffects	Video creation and editing software
Apple Final Cut Pro	Video creation and editing software
YouTube	Video creation and editing software
Adobe Systems Adobe Dreamweaver	Web page creation and editing software
Facebook	Web page creation and editing software
LinkedIn	Web page creation and editing software
Social media sites	Web page creation and editing software
Adobe Systems Adobe Flex	Web platform development software

Detailed Technology	Technology Group
AJAX	Web platform development software
Apache Struts	Web platform development software
Apache Tomcat	Web platform development software
Backbone.js	Web platform development software
Bootstrap	Web platform development software
Cascading Style Sheets CSS	Web platform development software
Django	Web platform development software
Drupal	Web platform development software
Dynamic hypertext markup language DHTML	Web platform development software
Enterprise JavaBeans	Web platform development software
Ext JS	Web platform development software
Extensible HyperText Markup Language XHTML	Web platform development software
Extensible stylesheet language transformations XSLT	Web platform development software
FlexBox	Web platform development software
Google AngularJS	Web platform development software
HashiCorp Vagrant	Web platform development software
Hypertext markup language HTML	Web platform development software
JavaScript	Web platform development software
JavaScript Object Notation JSON	Web platform development software
Jekyll	Web platform development software
JetBrains PhpStorm	Web platform development software
LAMP Stack	Web platform development software
MeteorJS	Web platform development software
Microsoft Active Server Pages ASP	Web platform development software
Microsoft ASP.NET	Web platform development software
Microsoft ASP.NET Core MVC	Web platform development software
Microsoft Commerce Server	Web platform development software
Microsoft Visual InterDev	Web platform development software
Node.js	Web platform development software
Nunjucks	Web platform development software
Oracle JavaServer Pages JSP	Web platform development software
PhantomJS	Web platform development software
PHP: Hypertext Preprocessor	Web platform development software
React	Web platform development software
RequireJS	Web platform development software

Detailed Technology	Technology Group
Ruby on Rails	Web platform development software
Spring Framework	Web platform development software
Zend Framework	Web platform development software
Google Docs	Word processing software

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Licensing Information

There is no data available for Web Developers in Louisiana.

Typical Knowledge Categories

This section shows the most common knowledge categories required by Web Developers in order of importance. Click on a link in the Knowledge Category column to view more detailed information.

Knowledge Category	Knowledge Category Description	Rank by Importance (Out of 100)
Computers and Electronics	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.	85
English Language	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.	64
Mathematics	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.	59
Communications and Media	Knowledge of media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media.	55
Customer and Personal Service	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.	49
Design	Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.	49
Engineering and Technology	Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.	40
Telecommunications	Knowledge of transmission, broadcasting, switching, control, and operation of telecommunications systems.	37

Knowledge Category	Knowledge Category Description	Rank by Importance (Out of 100)
Administration and Management	Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.	35
Clerical	Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology.	35
Sales and Marketing	Knowledge of principles and methods for showing, promoting, and selling products or services. This includes marketing strategy and tactics, product demonstration, sales techniques, and sales control systems.	31
Fine Arts	Knowledge of the theory and techniques required to compose, produce, and perform works of music, dance, visual arts, drama, and sculpture.	26
Public Safety and Security	Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.	24
Psychology	Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.	23
Law and Government	Knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process.	20

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Work Abilities Required

This section shows the results of a national survey listing the most common work abilities required by Web Developers in order of importance. Click on a link in the Work Ability column to view more detailed information.

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
Deductive Reasoning	The ability to apply general rules to specific problems to produce answers that make sense.	72
Oral Comprehension	The ability to listen to and understand information and ideas presented through spoken words and sentences.	69

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
Near Vision	The ability to see details at close range (within a few feet of the observer).	66
Problem Sensitivity	The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.	66
Written Comprehension	The ability to read and understand information and ideas presented in writing.	66
Inductive Reasoning	The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).	63
Information Ordering	The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).	63
Speech Clarity	The ability to speak clearly so others can understand you.	60
Speech Recognition	The ability to identify and understand the speech of another person.	60
Category Flexibility	The ability to generate or use different sets of rules for combining or grouping things in different ways.	56
Fluency of Ideas	The ability to come up with a number of ideas about a topic (the number of ideas is important, not their quality, correctness, or creativity).	56
Oral Expression	The ability to communicate information and ideas in speaking so others will understand.	56
Flexibility of Closure	The ability to identify or detect a known pattern (a figure, object, word, or sound) that is hidden in other distracting material.	53
Mathematical Reasoning	The ability to choose the right mathematical methods or formulas to solve a problem.	53
Originality	The ability to come up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem.	53
Selective Attention	The ability to concentrate on a task over a period of time without being distracted.	53
Visualization	The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged.	53
Written Expression	The ability to communicate information and ideas in writing so others will understand.	53

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
Perceptual Speed	The ability to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object.	50
Speed of Closure	The ability to quickly make sense of, combine, and organize information into meaningful patterns.	47
Finger Dexterity	The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.	44
Number Facility	The ability to add, subtract, multiply, or divide quickly and correctly.	44
Visual Color Discrimination	The ability to match or detect differences between colors, including shades of color and brightness.	41
Memorization	The ability to remember information such as words, numbers, pictures, and procedures.	38
Far Vision	The ability to see details at a distance.	35
Arm-Hand Steadiness	The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.	25
Manual Dexterity	The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.	25
Wrist-Finger Speed	The ability to make fast, simple, repeated movements of the fingers, hands, and wrists.	25
Auditory Attention	The ability to focus on a single source of sound in the presence of other distracting sounds.	22
Control Precision	The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.	22
Time Sharing	The ability to shift back and forth between two or more activities or sources of information (such as speech, sounds, touch, or other sources).	22
Trunk Strength	The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.	22
Depth Perception	The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object.	19
Hearing Sensitivity	The ability to detect or tell the differences between sounds that vary in pitch and loudness.	19

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
Dynamic Strength	The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.	6
Response Orientation	The ability to choose quickly between two or more movements in response to two or more different signals (lights, sounds, pictures). It includes the speed with which the correct response is started with the hand, foot, or other body part.	3

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Work Interests

This section shows the results of a national survey listing the most common work interests for Web Developers in order of importance.

Work Interest	Work Interest Description	Rank by Importance (Out of 100)
Conventional	Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow.	72
Investigative	Investigative occupations frequently involve working with ideas, and require an extensive amount of thinking. These occupations can involve searching for facts and figuring out problems mentally.	67
Realistic	Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.	56
Artistic	Artistic occupations frequently involve working with forms, designs and patterns. They often require self-expression and the work can be done without following a clear set of rules.	50
Enterprising	Enterprising occupations frequently involve starting up and carrying out projects. These occupations can involve leading people and making many decisions. Sometimes they require risk taking and often deal with business.	39

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Typical Work Styles

This section shows the most common work styles required by Web Developers in order of importance. Click on a link in the Work Style column to view more detailed information.

Work Style	Work Style Description	Rank by Importance (Out of 100)
Attention to Detail	Job requires being careful about detail and thorough in completing work tasks.	91
Persistence	Job requires persistence in the face of obstacles.	79
Analytical Thinking	Job requires analyzing information and using logic to address work-related issues and problems.	79
Dependability	Job requires being reliable, responsible, and dependable, and fulfilling obligations.	78
Adaptability/Flexibility	Job requires being open to change (positive or negative) and to considerable variety in the workplace.	76
Initiative	Job requires a willingness to take on responsibilities and challenges.	75
Stress Tolerance	Job requires accepting criticism and dealing calmly and effectively with high stress situations.	74
Integrity	Job requires being honest and ethical.	74
Innovation	Job requires creativity and alternative thinking to develop new ideas for and answers to work-related problems.	73
Cooperation	Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude.	70
Achievement/Effort	Job requires establishing and maintaining personally challenging achievement goals and exerting effort toward mastering tasks.	69
Independence	Job requires developing one's own ways of doing things, guiding oneself with little or no supervision, and depending on oneself to get things done.	68
Self Control	Job requires maintaining composure, keeping emotions in check, controlling anger, and avoiding aggressive behavior, even in very difficult situations.	57
Leadership	Job requires a willingness to lead, take charge, and offer opinions and direction.	46
Concern for Others	Job requires being sensitive to others' needs and feelings and being understanding and helpful on the job.	44
Social Orientation	Job requires preferring to work with others rather than alone, and being personally connected with others on the job.	38

Related Occupations

This section shows a list of occupations related to Web Developers. Click an occupation title to see more information about that occupation.

Rank	Related Occupations	Duties	*Related By
1	Computer Network Architects	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software.	O*NET
2	Computer Programmers	Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn up by software developers or other individuals. May assist software developers by analyzing user needs and designing software solutions. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.	O*NET
3	Computer Systems Analysts◆	Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software.	O*NET
4	Computer Systems Engineers/Architects ◆	Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions.	O*NET
5	Computer User Support Specialists ◆	Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, or via telephone or electronically. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.	O*NET
6	Database Administrators◆	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases.	O*NET
7	Geographic Information Systems Technicians◆🍃	Assist scientists, technologists, or related professionals in building, maintaining, modifying, or using geographic information systems (GIS) databases. May also perform some custom application development or provide user support.	O*NET
8	Geospatial Information Scientists and Technologists◆🍃	Research or develop geospatial technologies. May produce databases, perform applications programming, or coordinate projects. May specialize in areas such as agriculture, mining, health care, retail trade, urban planning, or military intelligence.	O*NET

Rank	Related Occupations	Duties	*Related By
9	Information Security Analysts◆	Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.	O*NET
10	Network and Computer Systems Administrators	Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures.	O*NET
11	Software Developers, Applications◆	Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers.	O*NET
12	Software Developers, Systems Software◆ 🍃	Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.	O*NET
13	Software Quality Assurance Engineers and Testers◆	Develop and execute software test plans in order to identify software problems and their causes.	O*NET
14	Web Administrators ◆	Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of web sites and web applications.	O*NET
15	Architectural Drafters🍃	Prepare detailed drawings of architectural designs and plans for buildings and structures according to specifications provided by architect.	O*NET

Rank	Related Occupations	Duties	*Related By
16	Cartographers and Photogrammetrists ✦	Collect, analyze, and interpret geographic information provided by geodetic surveys, aerial photographs, and satellite data. Research, study, and prepare maps and other spatial data in digital or graphic form for legal, social, political, educational, and design purposes. May work with Geographic Information Systems (GIS). May design and evaluate algorithms, data structures, and user interfaces for GIS and mapping systems.	O*NET
17	Commercial and Industrial Designers 🌿	Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.	O*NET
18	Computer Operators	Monitor and control electronic computer and peripheral electronic data processing equipment to process business, scientific, engineering, and other data according to operating instructions. Monitor and respond to operating and error messages. May enter commands at a computer terminal and set controls on computer and peripheral devices.	O*NET
19	Desktop Publishers	Format typescript and graphic elements using computer software to produce publication-ready material.	O*NET
20	Editors	Plan, coordinate, or edit content of material for publication. May review proposals and drafts for possible publication. Includes technical editors.	O*NET
21	Energy Engineers 🌿	Design, develop, or evaluate energy-related projects or programs to reduce energy costs or improve energy efficiency during the designing, building, or remodeling stages of construction. May specialize in electrical systems; heating, ventilation, and air-conditioning (HVAC) systems; green buildings; lighting; air quality; or energy procurement.	O*NET
22	Film and Video Editors ✦	Edit moving images on film, video, or other media. May edit or synchronize soundtracks with images.	O*NET
23	Graphic Designers	Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.	O*NET
24	Logistics Engineers 🌿	Design or analyze operational solutions for projects such as transportation optimization, network modeling, process and methods analysis, cost containment, capacity enhancement, routing and shipment optimization, or information management.	O*NET
25	Marine Architects ✦	Design and oversee construction and repair of marine craft and floating structures such as ships, barges, tugs, dredges, submarines, torpedoes, floats, and buoys. May confer with marine engineers.	O*NET
26	Mechanical Drafters	Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.	O*NET

Rank	Related Occupations	Duties	*Related By
27	Multimedia Artists and Animators	Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in products or creations, such as computer games, movies, music videos, and commercials.	O*NET
28	Petroleum Engineers	Devise methods to improve oil and gas extraction and production and determine the need for new or modified tool designs. Oversee drilling and offer technical advice.	O*NET
29	Poets, Lyricists and Creative Writers	Create original written works, such as scripts, essays, prose, poetry or song lyrics, for publication or performance.	O*NET
30	Statistical Assistants ☀	Compile and compute data according to statistical formulas for use in statistical studies. May perform actuarial computations and compile charts and graphs for use by actuaries. Includes actuarial clerks.	O*NET
31	Technical Writers☀	Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.	O*NET
32	Validation Engineers 🍃	Design or plan protocols for equipment or processes to produce products meeting internal and external purity, safety, and quality requirements.	O*NET

☀ BRIGHT OUTLOOK NATIONALLY | 🍃 GREEN OCCUPATIONS

Source: **Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

Career Ladder

This section shows the top 10 occupations and the corresponding individuals in the workforce system who were previously Web Developers and have changed their occupation over the last 5 years.

Occupation Title	Number of Individuals that Moved	Percentage of Individuals that Moved
Software Developers, Applications☀	12	28.57%
Computer Programmers	7	16.67%
Cashiers☀	5	11.90%
Information Technology Project Managers☀	4	9.52%
Graphic Designers	3	7.14%
Retail Salespersons☀	3	7.14%
Chief Executives	2	4.76%
Computer Systems Analysts☀	2	4.76%
Computer User Support Specialists☀	2	4.76%
Cooks, Fast Food	2	4.76%

☀ BRIGHT OUTLOOK NATIONALLY

Source: Individuals with active résumés in the workforce system.

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