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WEB DEVELOPMENT

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WHAT WEB DEVELOPERS DO

Overview

Web developers design and create websites. They are responsible for the look and content of the site. They are also responsible for the site's technical aspects, such as its performance and capacity.

When creating a website, developers make their client's vision a reality. They build particular types of websites, such as ecommerce, news, or gaming sites, to fit clients' needs.

Duties

Web developers typically do the following:

- Meet with clients or management to discuss the needs and design of a website
- Create and test applications for a website
- Write code for the website, using programming languages such as HTML, CSS, JavaScript, PHP
- Work with other team members to determine what information the site will contain
- Work with graphics and other designers to determine the website's layout
- Integrate graphics, audio, and video into the website
- Monitor website traffic

SPECIALIZED WEB DEVELOPERS

Front-End Web Developers

- Responsible for how a website looks.
- They create the site's layout and integrate graphics, applications (such as a retail checkout tool), and other content.
- They also write web design programs in a variety of computer languages, such as HTML or JavaScript.

Webmasters

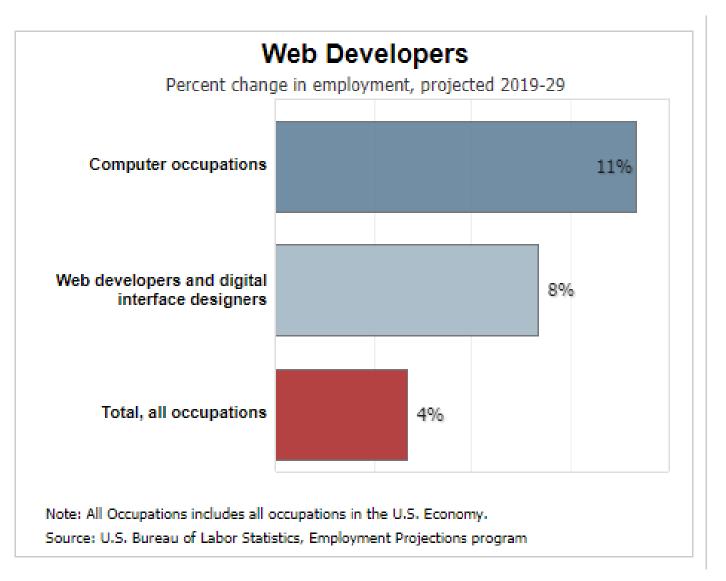
- Maintain websites and keep them updated.
- They ensure that websites operate correctly, and they test for errors such as broken links.

Back-End Web Developers

- Responsible for the overall technical construction of the website.
- They create the basic framework of the site and ensure that it works as expected.
- Back-end web developers also establish procedures for allowing others to add new pages to the website and meet with management to discuss major changes to the site.

JOB OUTLOOK

- Employment of web developers is projected to grow 8 percent from 2019 to 2029, much faster than the average for all occupations.
- Job opportunities for web developers are expected to be good. Those with knowledge of multiple programming languages and digital multimedia tools, such as Photoshop, will have the best opportunities.



States with the highest employment level in this occupation:

State	Employment <u>(1)</u>	Employment per thousand jobs	Location quotient <u>(9)</u>	Hourly mean wage	Annual mean wage <u>(2)</u>
<u>California</u>	20,920	1.20	1.19	\$43.38	\$90,230
<u>Washington</u>	13,430	4.05	4.01	\$64.57	\$134,310
New York	13,000	1.36	1.35	\$39.86	\$82,910
Texas	9,510	0.76	0.76	\$35.52	\$73,890
<u>Florida</u>	7,200	0.82	0.81	\$32.08	\$66,720

STATE & AREA DATA

Employment estimate and mean wage estimates for this occupation:

Employment (1) Employment Mean h		Mean hourly	Mean annual	Wage RSE <u>(3)</u>
RSE (3) wag		wage	wage <u>(2)</u>	
148,340	1.4 %	\$39.60	\$82,370	3.3 %

Percentile wage estimates for this occupation:

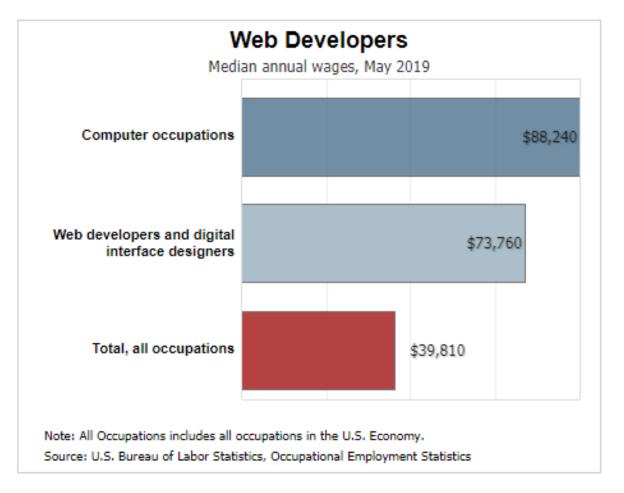
Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$19.01	\$25.73	\$35.46	\$49.47	\$68.31
Annual Wage <u>(2)</u>	\$39,550	\$53,520	\$73,760	\$102,900	\$142,080

NATIONAL ESTIMATES FOR THIS OCCUPATION

PAY

- The median annual wage for web developers was \$73,760 in May 2019. 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



IMPORTANT QUALITIES OF A WEB DEVELOPER

CONCENTRATION

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

CUSTOMER-SERVICE SKILLS

 Webmasters have to respond politely and correctly to user questions and requests.

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.

DETAIL ORIENTATED

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



 Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Web Developers, on the Internet at https://www.bls.gov/ooh/computer-and-information-technology/web-developers.htm