



Web Developer

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Job Description:

Web developers design, build, edit, and repair websites and web pages. They design the look and feel of a web page and write computer code.

Wages:

Average median yearly pay is about 65,000 a year in Utah.

Schedule: May often work long hours to solve critical problems or meet deadlines.

Education & Experience:

- ◆ Completed High School
- ◆ Bachelor's Degree

High School Courses:

- ◆ Computer Applications
- ◆ Computer Programming
- ◆ Computer Science
- ◆ Keyboarding



Gross Monthly Income:

\$5,400

Advancement: Skilled web developers who stay up to date with the latest technology should have good prospects for advancement. This is also true for those who have specialized knowledge and experience. In large organizations, developers may be promoted to lead developer or director. This position has both design and supervisory responsibilities.

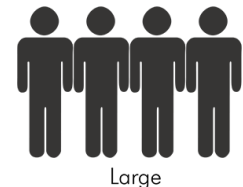
Many web developers are self-employed or work in small, boutique-like agencies. They may also work as part of larger companies, such as marketing and advertising firms.

Work Conditions:

- ◆ Spend a lot of time on their own on the computer.
- ◆ Work indoors, either in an office setting or even from home.
- ◆ Must be exact and accurate in their design and programming. Errors could cause the web site to malfunction, which in turn can cost clients or the organization time and money.
- ◆ Set most of their daily task and goals without consulting another first.

Travel: May be able to do work from home by telecommuting.

Job Outlook:



Hours a Week:

45

Leisure Time:

Medium

Knowledge:

- ◆ Computers & Electronics
- ◆ Customer & Personal Service
- ◆ English Language
- ◆ Design
- ◆ Communications & Media
- ◆ Mathematics



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Overview

Web developers design, build, edit, and repair websites and web pages. They design the look and feel of a web page and write computer code.

It's actually not that difficult to build a website. You can sign up for a blogging account, select a template, and insert your information. For most sites, this costs absolutely nothing, besides your time. However, what if you want to sell something? What if you're not an individual with some time to kill, but an owner of a company? A website is about as necessary as a phone number these days. A quality website that is easy to navigate, has a catchy design, and runs without errors takes a bit more time and work than a blog site.

Web developers are the people who create, design, and build a website. Most of the time, they do this for companies and organizations, but will also build sites for individuals, such as musicians and artists.

The first step when building a website is to determine the purpose of the site. To figure this out, developers talk to clients to find out what they need, but also look at what users need from a site as well. Will the site be used primarily to advertise? To sell a product? To provide the basic facts about an organization? Answers to these questions determine how complicated and large the website will be. For example, a website that will sell products is going to be far more involved than a website that tells about a company's history and provides directions to the "brick and mortar" store. An e-commerce site will need to interact with a separate database in order to supply information about a product, as well as determine if it is available to the buyer. These types of sites also need to process credit card or PayPal payments. And of course, they must be easy to use and navigate.

Every website needs to have a distinct style, from the font and lettering to the colors to the images. Web developers create the overall look of a site. This is where creativity and technical skill come together. Developers also write the code for websites, although they may also work with programmers. It's important to note that websites use several different types of code and programming language. Therefore, developers not only must know several programming languages, such as HTML and XML, but also must make sure that everything works together seamlessly. In addition, developers also must ensure that websites work well on different types of computers (PC or Mac) and on different types of Browsers (Internet Explorer, Safari, or Firefox, for example).

Web developers also have to make sure that sites are protected from hackers and other security threats. They often work with network administrators to make sure websites work well, and make sure that websites are constantly backed up in case data is lost. Developers also fix problems with websites. They usually learn of these through clients or through users who may call or e-mail about an error message.

Because Internet technology is constantly changing and evolving, developers are constantly working to keep their skills up to date. They do this by attending conferences, workshops, and trainings. They also read journals and magazines (in print or online) to find out the latest trends and updates in programming and design.

Pathway:
**Information
Technology**