Role of a Software Programmer/ Developer

Christopher Fowler

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Scott Cordle

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A web designer is an IT professional who is responsible for designing the layout, visual appearance and the usability of a website. (What is a Web Designer, n.d.) A web designer must have good creative skills along with good technical skills. More times than none a web designer is also a software developer. The two jobs go hand in hand with each other. There are many key skills that a web designer must have in order to properly perform their jobs.

Some of the skills that they must have are, good working knowledge of different web designer packages, knowledge of HTML and CSS, along with knowledge of JavaScript. Most web designers need to have an ability to work on a tight deadline, and work with the fact that the schedule will change on a regular basis. When it comes to working as a web designer it takes a lot of patience and time management, this is something that a lot of people do not have.

A web developer is a person who takes the design from the web designer made and then applies it so it can form the use it. They take this design and then turn it into the website. (M., 2021) A web developer must also be able to read and write the HTML script that was written by the designer. They need to be able to take that the code that was given to them by the web designer. They must be able to transfer the code from the designer into some other type of language like Python. This process is one that takes time and patience to do that type of job, because one must have both for them to succeed in the world for development.

There are different types of developers. There are front-end developers, back-end developers, and full-stack developers. Front-end developers are the developers are the developers that who takes a client or design team’s website design and writes the code needed to implement it on the web. (M., 2021)A back-end developer are developers that deal with the server side of development. (M., 2021) A full-stack developer can do both the front-end and the back-end aspects of development. A front-end development is when you make sure all the information is accurate on the webpage and that the colors and the styling are all the way that the client wanted them to be, they make sure that all the links and buttons that are on the page work as intended, and that everything is responsive. (M., 2021) A back-end developer are the ones who create the code and programs which power the website’s server, databases, and any applications that it contains. (M., 2021) A back-end developer must make sure that the code is accurate and efficient so that there are not any bugs in the application.

In order to be a web developer or a web designer, a person must have the ability to work with computers and computer systems. Considering all the work that is done for both jobs are done on them. Both must have knowledge of the code needed to write the websites or pages, such as, HTML, CSS, and Java Script. There are specialty classes that can teach these coding languages, but some people have done it and become developers by just getting on the different programs and just writing code with trial and error. This is a good way to develop skills in both the writing and the troubleshooting of the development.

Some companies do require people to have a degree to show that they have the knowledge and that they know what is needed. While this happens most of the time some companies will ask for a portfolio to see the skills that the person has. This portfolio will generally consist of websites and links to the pages that the person has created along with any kind of code that they are willing to show.

# References

M., L. (2021, January 5). *What is a Web Developer and What Do They Do.* Retrieved from Bit Degree: https://www.bitdegree.org/tutorials/what-is-a-web-developer/

*What is a Web Designer*. (n.d.). Retrieved from TechnoJobs: https://www.technojobs.co.uk/info/it-job-roles/what-is-a-web-designer.phtml