Welcome to Web Development

Summary

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Web Development What is it?

Web Development is the building and maintenance of websites; it's the work that happens behind the scenes to make a website look great, work fast and perform well with a seamless user experience.

Web developers, or 'devs', do this by using a variety of coding languages. The languages they use depends on the types of tasks they are preforming and the platforms on which they are working.

Web development skills are in high demand worldwide and well paid too – making development a great career option. It is one of the easiest accessible higher paid fields as you do not need a traditional university degree to become qualified.

Web Development Type

- **Front-End Development:** The front end of a website is the part that users interact with. Everything that you see when you're navigating around the Internet, from fonts and colors to dropdown menus and sliders, is a combo of HTML, CSS, and JavaScript being controlled by your computer's browser.
  →Skills and Tools: HTML, CSS, JavaScript

- **Back-End Development:** The back end of a website consists of a server, an application, and a database. A back-end developer builds and maintains the technology that powers those components which, together, enable the user-facing side of the website to even exist in the first place.
  →Skills and Tools: Back-end server-side language: php, Python, Java…
  DMS: MySQL, Oracle, SQL Server, MongoDB…

Web Development Type

- **Full Stack Development:** Full-stack developers are experts in both the front-end and back-end; so, the full stack of technology that makes up a website. They are proficient in both front-end and back-end languages and frameworks, as well as in server, network and hosting environments.

  →Skills and Tools: HTML, CSS, JavaScript
  Back-end server-side language: php, Python, Java…
  DMS: MySQL, Oracle, SQL Server, MongoDB…

Web Development Framework

The web development framework is a software framework that is designed to support the development of web applications including web services, web resources, and web APIs.
Web frameworks provide a standard way to build and deploy web applications on the World Wide Web.
Web frameworks aim to automate the overhead associated with common activities performed in web development.

The most famous web framework's are:
❖ **Symphony: php Framework**
❖ **Angular Js: JavaScript Framework**
❖ **Django: Python Framework**
❖ **Rails: Ruby Framework**