



Discusson lec o HTML

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Fourth stage - network - morning

1. What is the web development and what are types of it?

Web development is the act of building, creating and maintaining websites. The field encompasses a broad range of tasks including everything from coding, to technical design, to the performance of a website or application running on the internet. Web development consists of :

Front-end web development

Front-end web development is responsible for the look and feel of a website. This means how colors, type, icons, and images appear. Increasingly, front-end development has to account for how a website looks on all devices, from desktop to tablet to phone. Typical programming languages include HTML, JavaScript, and CSS. Front-end developers keep up with cutting-edge trends in web design and development to make sure websites are optimized for users and search engines — and with security best practices in mind.

Back-end web development

Back-end web development is responsible for building and maintaining the code that runs a website. This code connects the website to the server and ensures that data flows properly to the website and that transactions are processed correctly. Typical programming languages include Java (different from JavaScript), PHP, and MySQL; newer tools include Python and Golang. Back-end web developers can keep up with changes in technology by participating in networking communities that share coding tips and support.

Full-stack web development

Full-stack web development covers both front-end and back-end responsibilities. Depending on the complexity of a website, a full-stack developer may be responsible for all facets of its development, from the server side to the user interface. Many full-stack developers may still specialize in one aspect of web development, but their broad experience is useful in troubleshooting or speeding up a build or redesign. Full-stack developers are often responsible for identifying cutting-edge technologies, such as enhanced programming languages (or even no- or low-code trends) and blockchain, that can be used to strengthen websites' business capabilities.

2. What is the difference between web developers and web designers?

Web designers keep themselves busy with everything that has to do with the aesthetics of a website. Besides that, usability and user experience while designing are equally as important, if not more important. Web designers don't just 'design,' they have to think about a lot of things during the process. A few of those things are the current trends, the design norms and foremostly, the target audience behavior. It's not just about what's appealing to the eye. In most cases, it's more about what kind of designs will help trigger the right actions from visitors. And when all that is researched and analyzed, the design has to match the branding of the company in question as well. So, it goes without saying that being a web designer is as much about designing as it is about psychologically understanding what you're designing and making sure it will do what's expected from it. It's an addition to great company branding and helps create another funnel for companies

A web developer contributes to the second stage of creating a website. When the entire structure and expectations are set, a web developer can start putting things into practice. And even here, you can have different types of web developers as well. When hiring or becoming a web developer, you can take your pick between these three options:

Frontend Developer – If you're hiring a frontend developer, they will take charge of the way your website looks. The main languages that are used by frontend developers are HTML, CSS and Javascript. Some work with CMS platforms as well where they can take care of the frontend of a website using themes and builders. In this case, a lot of the coding work is taken out of hands but knowledge of CSS, in particular, is still required to be able to make tweaks whenever needed.

Backend Developer – A backend developer, on the other hand, takes care of the backend of a website. Making everything work functionally is the main priority. Backend developers have very code-intensive days and need to make everything work with the frontend of a website. Often, this includes making an eCommerce website work or have membership websites up and running.

Full Stack Developer – Full stack developers are the best of both worlds. They take care of both the backend and frontend of a website. In many cases, this makes the workflow easier.

3. Is the best for web developer to be full stack development or just one type of development ?

In-demand jobs With new, changing and evolving technologies, a full stack web developer has become the most sought after job profile for the past few years. Every organization is looking for a seamless experience and this is easily achieved when there is just one person to do both client-side and server-side coding. Two people also mean more salary and resources and ideas. If the current job market trends hold, a full stack web developer will be a requirement in the job market for the foreseeable future. Employers have started appreciating people with a broader scope of knowledge. Full-stack developers command a higher salary package than front end or back end developers Employers are willing to pay more for a full stack developer because it makes more business sense to hire an individual with front and back end skills, rather than getting two people to do the same job.