

Lesson:

Introduction to web development



Topics to be covered

1. What is web development?
2. Frontend vs Backend vs Fullstack
3. Web development career paths

What is web development?

Web development refers to the creation, building and maintenance of a website. Web development is made up of two words web and development, in which web means the webpage or website and development refers to the building of the application from scratch.

Web development can be classified into two main parts

1. Frontend Development
2. Backend Development

Frontend Development

It is the part of the website which is directly visible to the user to which he can interact with. It is also known as the client side of the application as it is visible to the user.

Popular frontend technologies

1. HTML

HTML is used to create the structure of a webpage.

2. CSS

CSS is used to design the webpage to make the website presentable.

3. JavaScript

JavaScript is used to provide interactivity to the website, so that the website can have some dynamic behaviour.

Backend Development

It is the part of the website which is not visible to the user and he cannot interact with it. It is the server side of the website which is used to process, store and arrange the data.

Popular backend technologies

1. Node JS

It is an open source and cross platform javascript runtime environment used to execute the javascript code outside the browser.

2. MongoDB

It is an open source document-oriented database that is used to store a large scale of data and allows us to work with the data efficiently.

Note: We can also use Python, Java and PHP like programming languages to work on our backend.

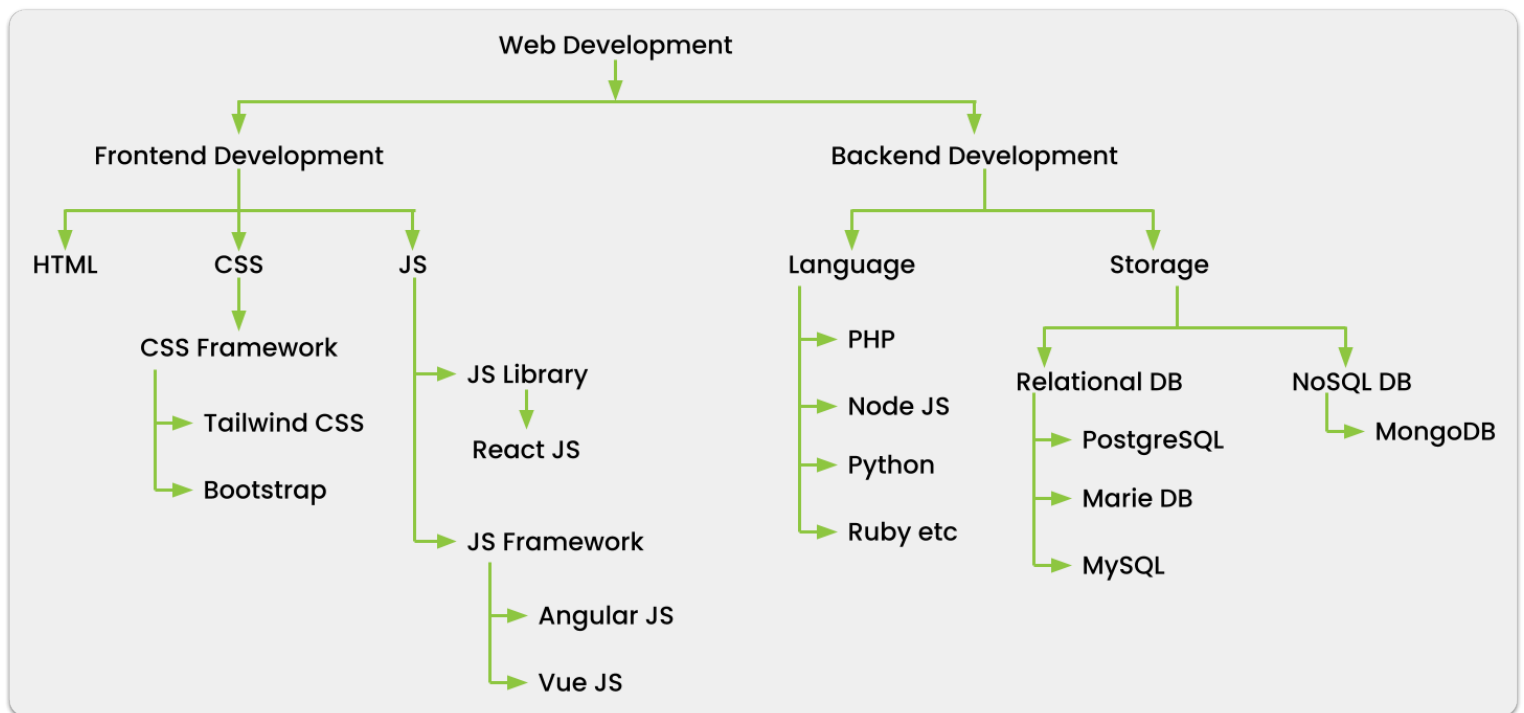
Full Stack Development

Full stack development refers to the ability to work on both the frontend and backend side of a web application. A full stack developer has the knowledge of both the frontend and backend technologies, which means they can develop an application from scratch to till completion by themselves.

Web development career path

While being in the journey of web development, one will have to choose for the frontend, backend or the full stack development journey. If you are going to choose the frontend then will have to work on the above discussed technologies of it and same will go for the backend also. If you are choosing the full stack development then you will have to be proficient in both the frontend and backend technologies.

Technologies to learn in full stack web development



Path for MERN stack developer

MERN stands for MongoDB, ExpressJS, ReactJS and NodeJS. These four are used for developing an end-to-end full stack project, in which ReactJS is used to create the frontend, NodeJS and ExpressJS is used to create the backend and MongoDB for the database.

