

JAVA FULL STACK

- FULL STACK WEB DEVELOPER:

A full-stack web developer is a person who can develop both **client** and **server** software.

Client software (front-end)

- Html
- Css
- Javascript
- bootstrap

server software (back-end)

- Node js

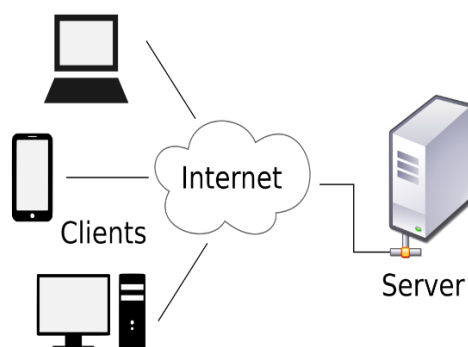
Data base

SQL

1. To know the languages in front-end technology:

1. **Html:** HTML stands for HYPER TEXT MARKUP LANGUAGE for creating web applications
2. **CSS:** Css stands for Cascading Style sheets
Css describes how HTML elements are to be displayed on screen, paper, or in other media CSS saves a lot of work. It can control the layout of multiple web pages all at once
3. **Javascript:** JavaScript is the Programming Language for the JavaScript can update and change both HTML and CSS. Javascript can calculate,manipulate and validate data. Javascript can calculate,manipulate and validate data

4. **Bootstrap:** bootstrap is the most popular css framework for developing and mobile-first websites.
- **To know the languages in Back-end technology:**
 1. **Node .js:** as an asynchronous event driven data javascript run time,node.js is designed to build scalable network applications .
- **To know the Data base technology:**
 2. **SQL:** SQL stands for Structured Query Language. SQL lets you access and manipulate databases
- **Simple architecture for Client-server Model:**



- The client-server architecture refers to a system that hosts, delivers, and manages most of the resources and services that the client requests. In this model, all requests and services are delivered over a network, and it is also referred to as the networking computing model or client server network

- **Libraries vs framework:**

1. Libraries tend to be more specialized and provide a specific set of functions or tools.
2. Frameworks can be more rigid and may limit the developer's ability to customize certain aspects of the application.
3. Libraries are generally more flexible and can be easily replaced or swapped out if necessary

- **Front end application:**

The frontend is what your users see and includes visual elements like buttons, checkboxes, graphics, and text messages.

- **Back end application:**

It is a piece of software that runs on machines called servers. Backend development for mobile applications empowers the main working of the application.

- **Advantages of front-end development:**

Front-end frameworks offer efficiency, consistency, and responsiveness in web development.

- **Disadvantages of front-end development:**

Limited interactivity, lack of support for certain features, and difficulty in integrating with other systems

- **Advantages of back-end development:**

Back-end development means working on server-side software, which focuses on everything you can't see on a website.