



Types of Web Developers

- **Frontend Developer:-** Works on client-side/ browser and creates user interfaces.
- **Backend Developer :-** Works on the Server and deals with databases.
- **Full Stack Developer :-** Works on the frontend as well as backend.



Tools : The Necessities

- Computer and OS :- MacOS | Windows | Linux
- Web Browser :- Chrome | Firefox | Brave | Edge | Safari
- Text Editor :- VS Code | Sublime Text | Vim
- Terminal :- Powershell | iTerm2 | Git Bash
- Design Software :- Figma | Adobe XD | Sketch



Building Blocks

HTML



- HTML

- CSS

CSS





Extra Tools

- Sass - CSS pre-processor that adds to the functionality of CSS
- PostCSS - tool for transforming CSS with Javascript

Sass





CSS Frameworks

Gives you predefined components to style elements

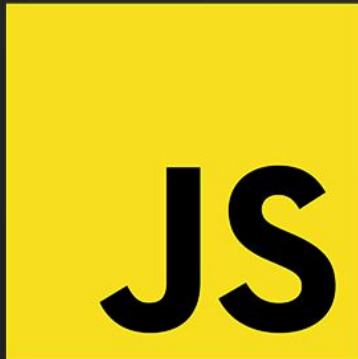


Bootstrap
Tailwind CSS
Materialize
Bulma
Foundation





Programming



- Javascript is the language of the browser.
- Every web developer should have some level of JS knowledge



Frontend Frameworks (Choose One)

- React
- Angular
- Vue
- Svelte





Deploying Frontend Projects

Popular Platforms



- netlify
- versel
- github pages

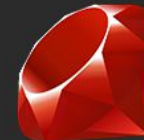


WEB DEVELOPMENT

The Backend

Server-Side Language (Choose One)

1. Node.js
2. Python
3. PHP
4. GoLang
5. Java
6. Ruby
7. Rust
8. Swift
9. C#





Server-Side Web framework (Choose One)

1. Express , Nest.js (JS)
2. Django , Flask (python)
3. Laravel (PHP)
4. Gin , Beego (GoLang)
5. Spring, Struts (Java)
6. Ruby on Rails
7. Rocket actix web (Rust)
8. ASP.NET (C#)





Databases (Choose One)

- MySQL
- PostgreSQL
- MS SQL Server
- SQLite



- MongoDB
- Firebase
- Superbase
- Redis





Deploying Fullstack Projects and DevOps

Hosting Platforms



Containers and Virtualization





Domain name Registrars



- GoDaddy
- Domain.com
- Namecheap

