Web Development

(beginner to advanced)

- Sanket Jagdale

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
- CSS

Extra Tools

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

CSS Frameworks

Gives you predefined components to style elements

Bootstrap
Tailwind CSS
Materialize
Bulma
Foundation

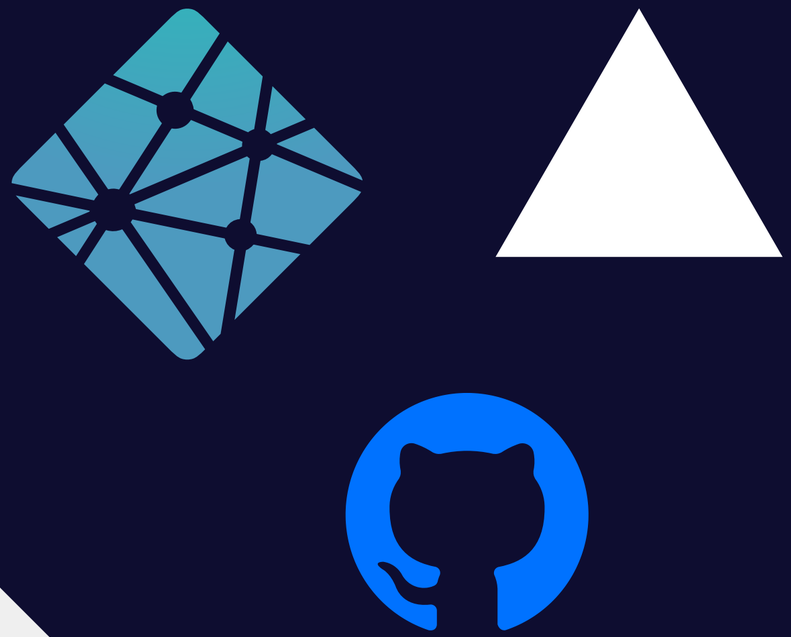
Programming

- Javascript is tha language of the browser.
- Every web developershould have some level of JS knowledge

Frontend Frameworks (Choose One)

- React
- Angular
- Vue
- Svelte

Deploying Frontend Projects



Popular Platforms

- netlify
- versel
- github pages

The Backend

Server-Side Language (Choose One)

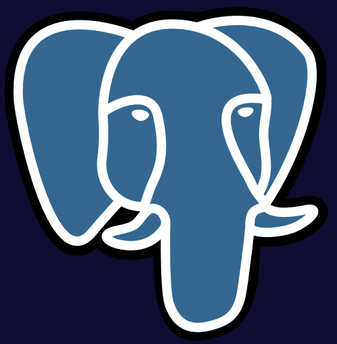
1. Node.js
2. Python
3. PHP
4. GoLang
5. Java
6. Ruby
7. Rust
8. Swift
9. C#

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 Registars

- GoDaddy
- Domain.com
- Namecheap

Thank you!

-Sanket Jagdale