

2024

FULLSTACK WEBDEV ROADMAP

Basics of HTML, CSS & JS
Choosing a framework
Version Control
Choose a language for backend
Head to Databases
Devops CI/CD



Complete 7 Months Guide



LEARN THE BASICS

(1 MONTH)

HTML

- Forms & Validations
- Conventions and Best Practices



CSS

- Making Layouts
- Floats, Position, Display, Grid, Flexbox, Box Model
- Responsive Design

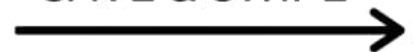


JavaScript

- Syntax & Basic Construct
- DOM Manipulation
- Fetching APIs / AJAX
- ES6+ Syntax



SAVE & SWIPE



CHOOSE A FRAMEWORK (1.5 MONTH)

(Choose any 1)

CSS

- Bootstrap
- Tailwind
- Bulma, Foundation or any other.

PREPROCESSOR

- SASS
- Less

**My Preference*

B

Sass



JavaScript

- React
- Angular
- Vue

SAVE & SWIPE



VERSION CONTROL SYSTEM

(15 DAYS)

- Git
- Github / Gitlab / BitBucket



Package Managers

- NPM
- Yarn



Module Bundlers

- Webpack
- Rollup
- Parcel



***Note** - If you have chose ReactJs you should also learn

- NextJs
- Redux



SAVE & SWIPE



FRONTEND DONUT

Wanna have a donut?

CSS

- Floats & positions
- Flexbox
- CSS Grid
- Display & transform
- Box Model
- Media Queries
- Responsive Design

VCS

- GIT
- GITHUB
- Gitlab
- Bit Bucke (any one)

JAVASCRIPT

FRAMEWORKS

- React Js
- Angular
- Vue Js (any one)
- Bootstrap
- Tailwind
- Bulma
- Semantic UI

CSS 3

CSS 3 PREPROCESSOR

- SASS
- LESS (any one)

HTML

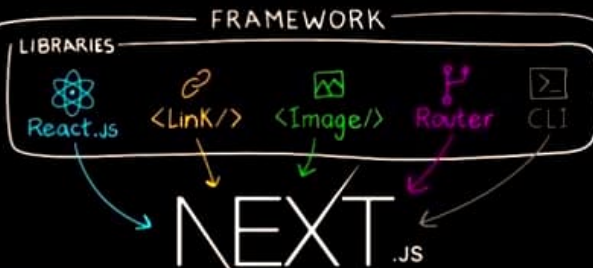
- Forms and validations
- Semantic Tags
- Accessibility & SEO basics
- Convention & best practices

DESIGN TOOLS

Figma
AdobeXD
Photoshop
Illustrator (any one)

JAVASCRIPT(ES6)

- Syntax & basic constructs
- DOM Manipulation
- Functions, Classes & Objects
- Fetch API or AJAX
- ES6 + Syntax
- Hoisting, Closures, Prototype
- Event Bubbling, shadow DOM



BUILD



Fully functional Web App

Everything explained on @developers_community...

(3-4 MONTHS)
Frontend Finished

ARRAYS IN JAVASCRIPT

6 WAYS TO REMOVE DUPLICATES FROM AN ARRAY!

9 JAVASCRIPT SHORTHANDS!

WEB APIs YOU NEED TO KNOW!

SPREAD OPERATOR USE CASES!

8 WAYS TO LOOP OVER AN ARRAY

CSS FILTER()

CSS GRID USE CASES!

Want to choose FLEXBOX OR GRID!

CSS FLEXBOX USE CASES!

CSS MEDIA QUERY

CSS PSEUDO SELECTORS

BACKEND STARTS

(1.5 MONTH)

Choose & Learn a language (Choose any 1)

- JavaScript
- Java
- C#
- PHP
- Python
- Ruby
- Go
- Rust
- NodeJs

Some Knowledge on OS & terminal commands

- Process Mangement
- Threads and Concurrency
- Basic Networking Concepts

SAVE & SWIPE

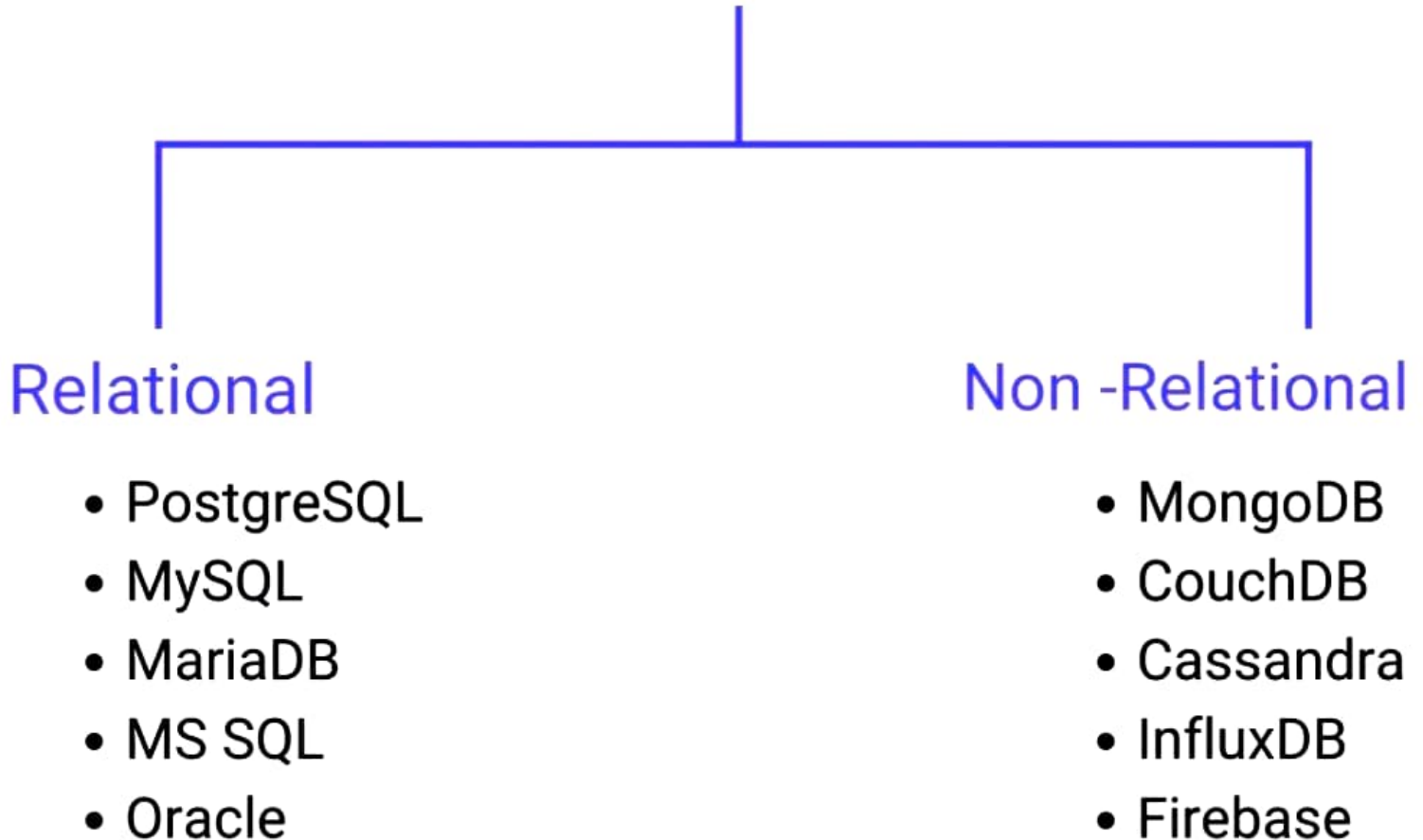


HEAD TO DATABASES

(1 MONTH)

Choose 1

DATABASES



SAVE & SWIPE



DEVOPS

(2 MONTHS)

Learn Some CI/CD Tools

- Gitlab CI
- Jenkins
- Azure Devops
- Circle CI



Cloud Providers

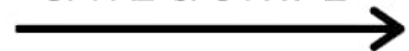
- AWS
- Google Clouds
- Azure , Linode
- Heroku, Digital Ocean



What is & how to setup ____

- Reverse & Forward proxy
- Load Balancer
- Caching Server
- Firewall

SAVE & SWIPE



BACKEND BURGER

Containerization

- Docker
- rkt (Prefer Docker)
- LXC

CI/CD Tools

- Jenkins
- Azure (any one)
- Circle CI

VCS

- GIT
- GITHUB (any one)
- Gitlab
- Bit Bucket

Frameworks

- Django
 - ExpressJS
 - Laravel
 - Ruby on Rails
- (any one)
- Depending on language you picked

Choose a programming language

- JAVA
 - PYTHON
 - RUBY
 - PHP
 - C#
 - NODE JS
 - GO
 - RUST
- (any one)

Want this burger?

Architectural patterns

- Microservices
- Monolithic
- Serverless
- CQRS
- SOA

APIs

- REST
- JSON
- SOAP
- GSON

Caching

- CDN
- Server Side
- Client-Side
- Redis

Testing

- Integration Testing
- Unit Testing
- Functional Testing

DATABASE

- RELATIONAL
 - NON RELATIONAL
 - PostgreSQL
 - MySQL
 - MS SQL
 - Oracle
 - MariaDB
 - MongoDB
 - RethinkDB
 - DynamoDB
 - CouchDB
 - GraphQL
- (any one in both)