2024

FULLSTACK
WEBDEV ROADMAP

1 Year Challenge

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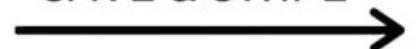- Floats, Position, Display, Grid, Flexbox, Box Model
- Responsive Design

JavaScript

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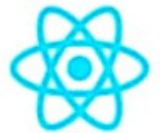- ES6+ Syntax

SAVE & SWIPE →

CHOOSE A FRAMEWORK (1.5 MONTH)
(Choose any 1)

B

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

*My Preference

Sass

PREPROCESSOR
- SASS
- Less

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

NEXT.js

SAVE & SWIPE →

FRONTEND DONUT

Wanna have a donut?

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

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

VCS
- GIT
- GITHUB
- Gitlab
- Bit Bucke
(any one)
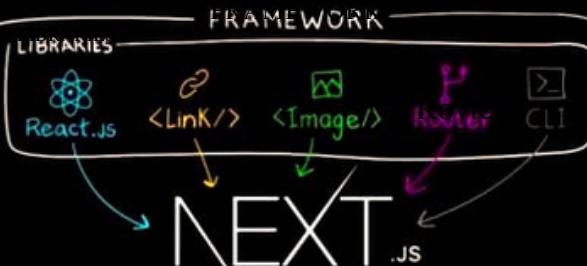
DESIGN TOOLS
Figma
AdobeXD
Photoshop
Illustrator
(any one)

(3-4 MONTHS)
Frontend Finished

JAVASCRIPT

FRAMEWORKS
- React Js
- Angular
- Vue Js
(any one)

- Bootstrap
- Tailwind
- Bulma
- Semantic UI

CSS 3

CSS 3 PREPROCESSSOR
- SASS
- LESS
(any one)

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

CSS 3 SHADOW

CSS TRANSFORM

CSS 3 TRANSITION

CSS 3 NSE

ARRAYS IN JAVASCRIPT

6 WAYS TO REMOVE DUPLICATES FROM AN ARRAY!

(WRITE LESS JAVASCRIPT)
9 JAVASCRIPT SHORTHANDS!

CSS FILTER()
♡ 7,256   💬 74

CSS GRID USE CASES!

What to choose
FLEXBOX OR GRID!

WEB APIs YOU NEED TO KNOW!

SPREAD OPERATOR USE CASES!

8 WAYS TO LOOP OVER AN ARRAY

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
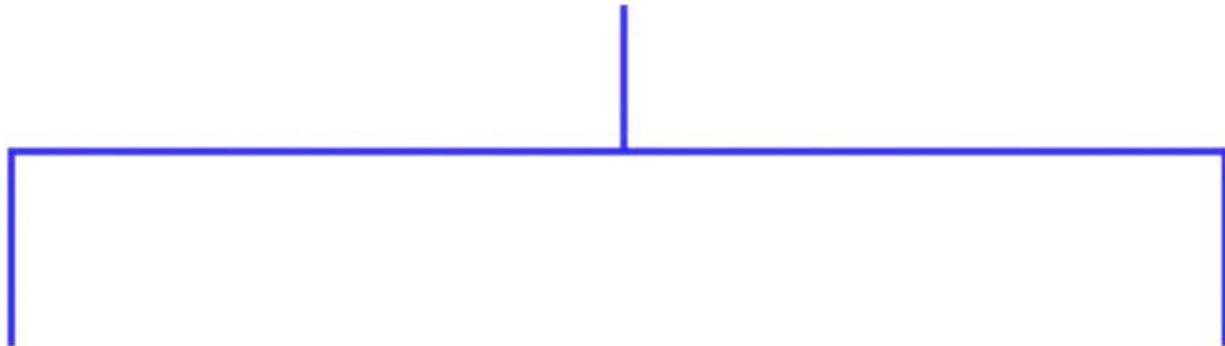- Basic Networking Concepts

SAVE & SWIPE →

HEAD TO DATABASES (1 MONTH)

Choose 1

DATABASES

Relational

- PostgreSQL
- MySQL
- MariaDB
- MS SQL
- Oracle

Non -Relational

- MongoDB
- CouchDB
- Cassandra
- InfluxDB
- Firebase

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

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
  (any one in both)

- MongoDB
- RethinkDB
- DynamoDB
- CouchDB
- GraphQL

Want this burger?