

# Back-End Developer Roadmap

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# Back-End Developer Roadmap

 JavaScript Mastery

Starting with web development can be overwhelming. This back-end developer roadmap will guide you to start with it in the proper way. We will cover the most important building blocks of the web. This guide will help you to become a modern back-end developer.

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This guide will provide you with useful information and actionable steps, but if you truly want to dominate the competition and secure a high-paying job as a full-stack software developer, [jsmastery.pro](https://jsmastery.pro) is the answer.

Read until the end for more information and **special discounts!** 🙌



# Learn Basic Front-End Dev

You must know basics of front-end development, and how things work in the browser.



HTML



CSS



JavaScript

Once you know basic front-end, you can then jump right into learning a programming language, there are so many options of programming language that you can learn to become a backend developer.

**Note:** You don't need to know multiple programming languages to become a backend developer.

# Choose a Programming language



JavaScript



Python



PHP



Ruby



Rust



Java



Go Lang

# Then choose a Framework according to your programming language

 JavaScript

JavaScript Runtime

 Node.js

 Deno



# Node.js Popular Framework

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ex

Express.js



Nest.js



Fastify



Sails



Hapi



Restify



Koa



# Python Popular Framework

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Django

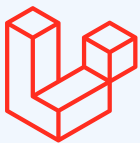


Flask



# PHP Popular Framework

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Laravel



Symfony





# Ruby

## Popular Framework

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# Rails



# Sinatra



# Java

## Popular Framework

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# Spring



# Google Web Toolkit



# Rust

## Popular Framework

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# Rocket.rs



# GO

## Popular Framework

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# Gin

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# ASP .NET

asp.net is also a popular framework of C#

# Backend concepts you should learn



**HTTP / HTTPS**



**REST**



**GraphQL**



**Web Sockets**



**CORS**



**MVC Architecture**



**CI / CD**



**Serverless**

# Learn about databases

## 2 Types of Databases

SQL

NoSQL



MySQL

MongoDB



PostgreSQL

CouchDB



SQL Lite

DynamoDB



# Learn Caching



Redis



Memcached

## ORM / ODM



Mongoose (MongoDB)



Prisma (SQL)



Sequelize (SQL)

# Essential things to learn



Authentication



OAuth



Hashing (bcrypt)



Rate Limiting



Reverse proxy



Load balancer



Documentation (Swagger)

# Learn any HTML Templating Engine



EJS



PUG



Handlebars



doT



Jade



Eta

# Other Important Topics



Linux



Terminal (CLI)



Git



Basic Networking



Web Security



Payment Gateways



Testing



# Learn to deploy and learn any cloud service

★  Google Cloud

★  Digital Ocean

★  AWS

 Azure

 Heroku

 Linode

 Vercel

# Optional things to learn



Docker



Performance



Scalability



Kubernetes

# Tools to learn as a backend developer



NPM



Yarn



Postman



Insomnia



GitHub

# Project Ideas



Social Media Web App



Chat App



Video Chat App



REST API



Amazon Scraper API



Web Scraper



URL Shortner



CRUD Blog App

# Project Ideas



Discord Clone with webRTC



Travel Log App



File Sharing App



Users System



Multiplayer Game



Gist Clone



Weather Logger



Ecommerce API

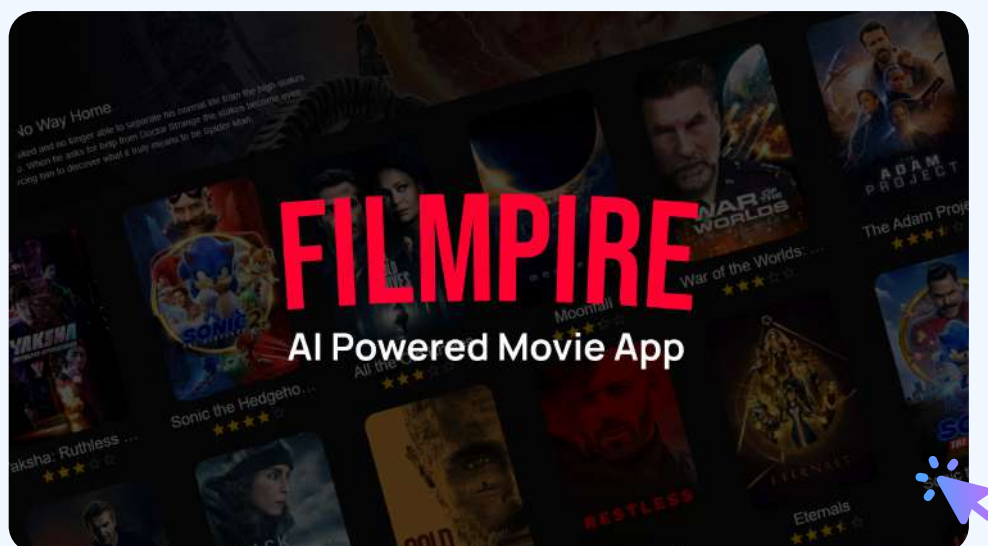
# JS Mastery Pro

Looking to advance your career and understand the concepts & technologies that top-shelf employers are looking for?

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Become a React.js master as you create a stunning Netflix clone streaming app to showcase movies, actor bios, and more with advanced AI voice functionality.



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