

The 2018 Web Developer Roadmap

An illustrated guide to becoming a Frontend or Backend Developer with links to courses



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Want to learn to code? There is no better time to start than right now. Below is an illustrated roadmap focussed on how to become a developer in 2018. **Don't let these illustrations scare you.** You by no means need to understand everything on this map to become a stellar developer. In fact, you don't even need to take them that seriously if you don't want to. Instead, use these maps as a starting point to help guide your learning as you go.

This awesome illustrated guide to becoming a web developer was created by [Kamranahmedse](#) and posted to [GitHub](#) under the [CC BY 4.0](#) License. Additional resources/links have been added for this article. Disclosure: I write reviews and receive compensation from the companies whose products I review.

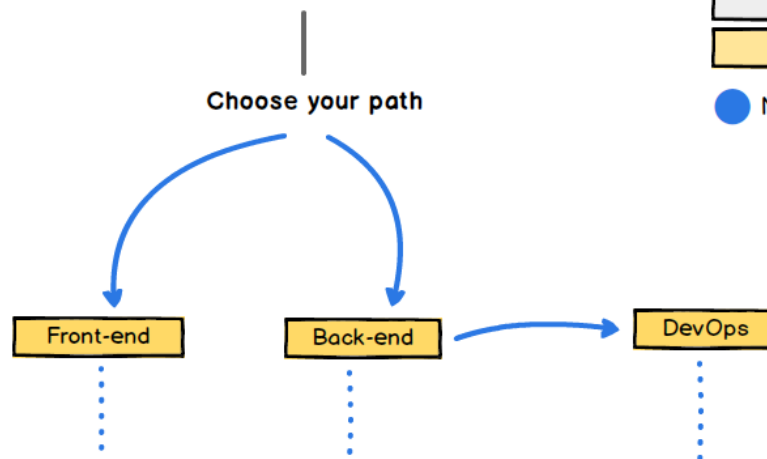
Web Developer in 2018

Here's where you'll start. You can choose either the Front-end, or Back-end path below. Regardless, there are eight recommendations in yellow that you should learn for either path.

Required for any path

Git - Version Control
SSH
HTTP/HTTPS and APIs
Basic Terminal Usage
Learn to Research
Data Structures & Algorithms
Character Encodings
Design Patterns
GitHub
Create a profile. Explore relevant open source projects. Make a habit of looking under the hood of projects you like. Create and contribute to open source projects.

Web Developer in 2018



Legends

Personal Recommendation!
Possibilities
Pick any!

● Now build something

Recommended learning for either path

- **Git**—[You should've learned Git yesterday, 15 minutes to learn Git](#)
- **SSH**
- **HTTP / HTTPS**
- **Terminal Usage**—[Basic Mac OS](#), [Basic Windows](#)
- **Data Structures & Algorithms**
- **Character Encodings**
- **GitHub**—[A Step by Step Guide to Making Your First GitHub Contribution](#)

Frontend Path & Courses for Learning Front End

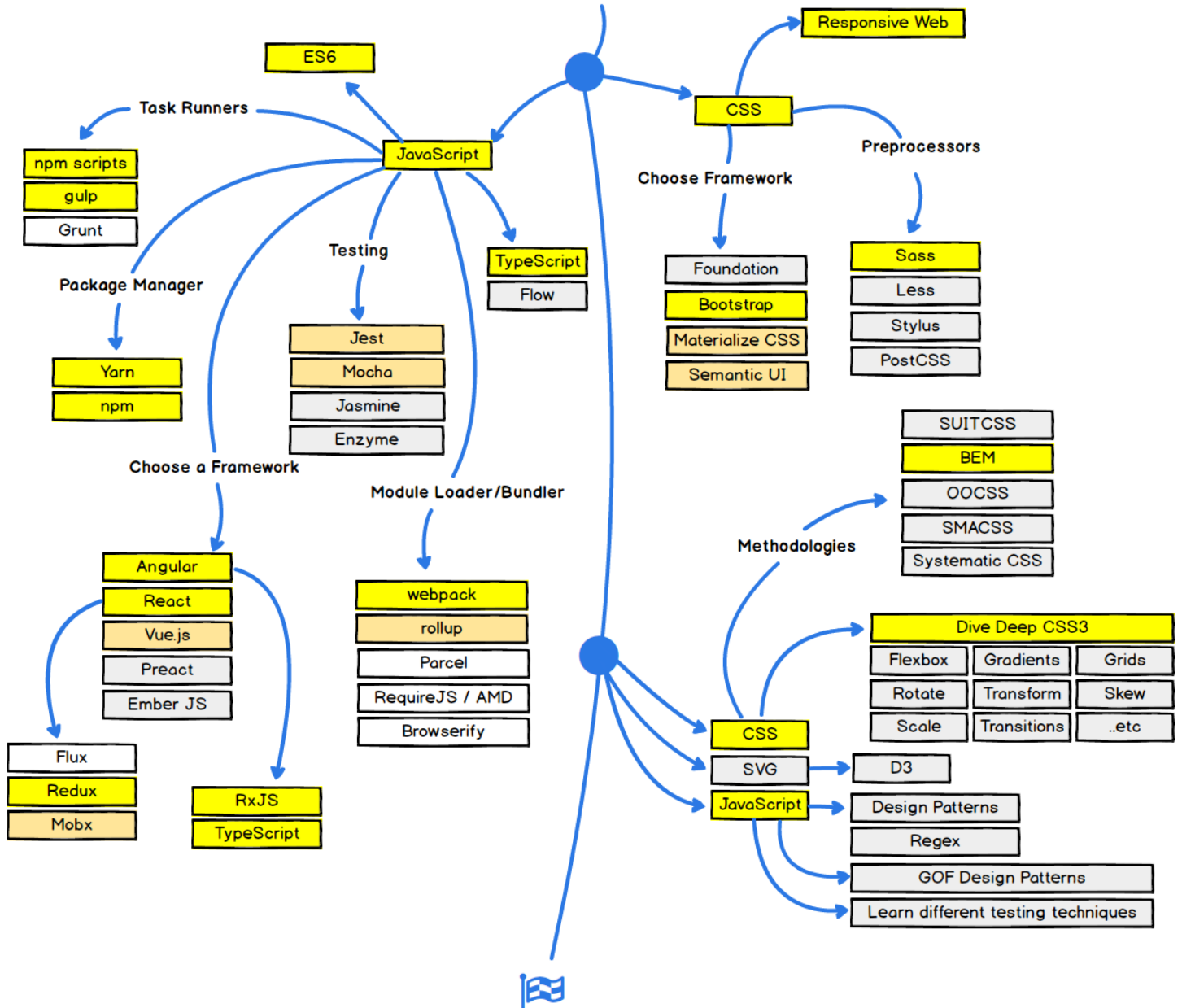
Focus on yellow boxes and grow from there. Below the map are additional resources to aide your learning.

Front-end

Learn the Basics


HTML
CSS
JavaScript

Getting Deeper




The Web Development Bootcamp

You need to learn the basics and build a solid foundation of web development principles. There are many ways to do this, but in my opinion, [The Web Development Bootcamp](#) is the **best** and **easiest** way.

<p>The Web Developer Bootcamp Udemy</p> <p>The only course you need to learn web development - HTML, CSS, JS, Node, and More!</p> <p>Udemy</p>	
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The Advanced Web Development Bootcamp


Now that you've taken the first bootcamp and know how to build full stack web applications, it's time to take your learning a little deeper. [The Advanced Web Development Bootcamp](#) introduces complex technologies, frameworks, and tools you can use to build beautiful, responsive, web applications.

<p>The Advanced Web Developer Bootcamp Udemy</p> <p>Learn React 16, Redux, D3, ES2015, Testing, CSS Flexbox, Animations, SVG, AJAX, and more!</p> <p>Udemy</p>	
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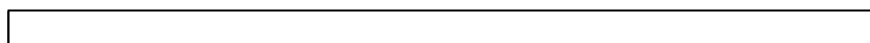
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HTML / CSS

- [Build Responsive Real World Websites with HTML5 and CSS3](#)

<p>Build Responsive Real World Websites with HTML5 and CSS3</p> <p>"Having gone through other related courses on other platforms, I can say this course is the most..."</p> <p>Udemy</p>	
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- [CSSCasts: Libraries, Plugins, Tips & Tricks](#)



CSSCasts; CSS libraries Plugins Tips & Tricks for Developers

Learn Modern CSS, CSS3, CSS4 , libraries, plugins, Grids, frameworks, tips & tricks and Build websites. Updates Weekly

Udemy

- [Bootstrap 4 From Scratch With 5 Projects](#)

Bootstrap 4 From Scratch With 5 Projects | Udemy

Master the latest version of Bootstrap (4.0.0 Beta) and build 5 real world themes while learning...

Udemy



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Beginner JavaScript

- [The Complete JavaScript Course: Build a Real-World Project](#)

The Complete JavaScript Course: Build a Real-World Project

Master JavaScript with the most complete JavaScript course on the market! Includes projec...

Udemy



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Advanced JavaScript

- [A Beginners Guide to Advanced JavaScript & ES6—ES2017](#)

A Beginners Guide to Advanced JavaScript & ES6—ES2017

Learn tough topics like: 'this', scope, 'new', hoisting, ES6, & More! Take your JS knowledge to...


Udemy




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React JS

- [Modern React with Redux](#)

<p>Modern React with Redux Udem</p> <p>Master the fundamentals of React and Redux with this tutorial as you develop apps with React...</p> <p>Udem</p>	
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- [Advanced React and Redux](#)

<p>Advanced React and Redux Udem</p> <p>Detailed walkthroughs on advanced React and Redux concepts—Authentication, Testing,...</p> <p>Udem</p>	
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Angular JS

- [Angular 5 \(formerly Angular 2\)—The Complete Guide](#)

<p>Angular 5 (formerly Angular 2)—The Complete Guide</p> <p>Master Angular (Angular 2+, incl. Angular 5) and build awesome, reactive web apps with the...</p> <p>Udem</p>	
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- [The Complete Angular 4 Course: Beginner to Advanced](#)

<p>The Complete Angular Course: Beginner to Advanced</p> <p>The most comprehensive Angular 4 (Angular 2+) course. Build a real e-commerce app with Angul...</p> <p>Udem</p>	
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Vue JS

- [Vue JS 2—The Complete Guide](#)

<p>Vue JS 2—The Complete Guide (incl. Vue Router & Vuex)</p> <p>Vue JS is an awesome JavaScript Framework for building Frontend Applications! VueJS mixes the...</p> <p>Udemy</p>	
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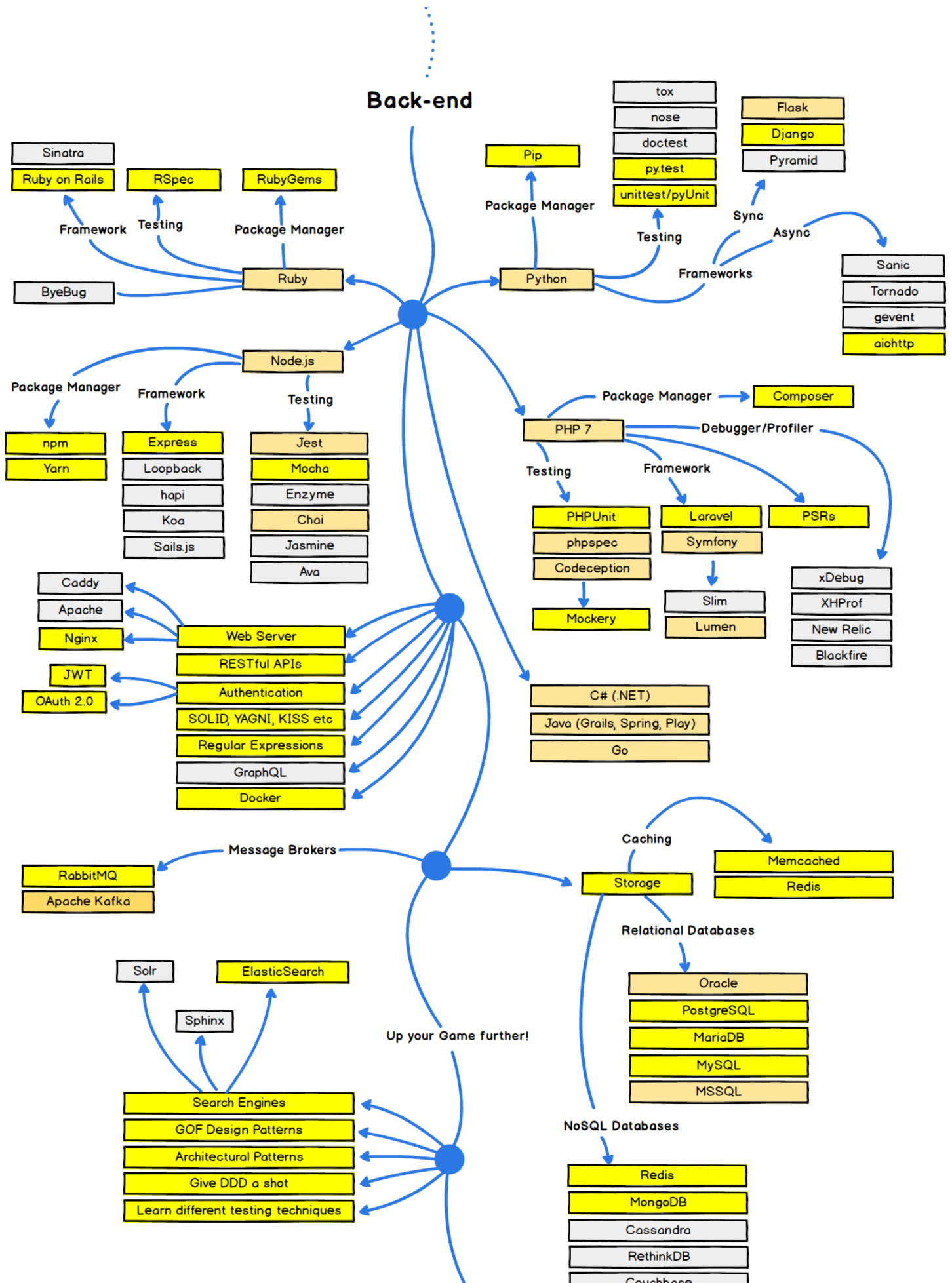
- [The Ultimate Vue JS 2 Developers Course](#)

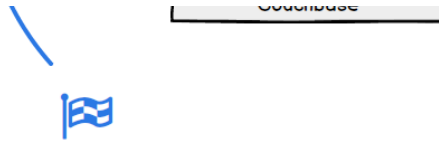
<p>The Ultimate Vue JS 2 Developers Course Udemy</p> <p>Learn and master VueJS by building 3 professional, real world web application using Vue!</p> <p>Udemy</p>	
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Backend

Focus on yellow boxes and go from there. Below the map are additional resources to aide your learning.





Node JS

- [The Complete Node.js Developer Course \(2nd Edition\)](#)

<p>The Complete Node.js Developer Course (2nd Edition)</p> <p>Learn Node.js by building real-world applications with Node, Express, MongoDB, Mocha, and more!</p> <p>Udemy</p>	
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- [Node with React: Fullstack Web Development](#)

<p>Node with React: Fullstack Web Development Udemy</p> <p>Build and deploy fullstack web apps with NodeJS, React, Redux, Express, and MongoDB.</p> <p>Udemy</p>	
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Ruby

- [Learn to Code with Ruby](#)

<p>Learn to Code with Ruby Udemy</p> <p>A comprehensive introduction to coding with the Ruby programming language. Complete beginne...</p> <p>Udemy</p>	
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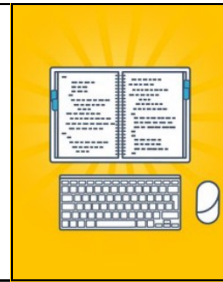
Python

- [The Python Bible™ | Everything You Need to Program in Python](#)

The Python Bible™ | Everything You Need to Program in Python

Build 11 Projects and go from Beginner to Pro in Python with the World's Most Fun Project-Based...

Udemy

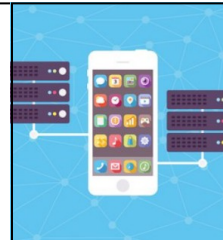


- [REST APIs with Flask and Python](#)

REST APIs with Flask and Python | Udemy

Build professional REST APIs with Python, Flask, Flask-RESTful, and Flask-SQLAlchemy

Udemy



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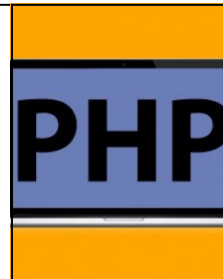
PHP

- [PHP for Beginners—Become a PHP Master—CMS Project](#)

PHP for Beginners - Become a PHP Master - CMS Project

One of the biggest PHP Courses in UDEMY
Best Rated PHP course on UDEMY..... New lectur...

Udemy



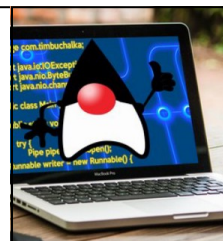
Java

- [Complete Java Masterclass](#)

Complete Java Masterclass | Udemy

Learn to master Java 8 and Java 9 core development step-by-step, and make your first...

Udemy



MySQL

- [The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert](#)

The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert

If you want to learn how to gain insights from data but are too intimidated by databases to know...

Udemy



Closing Notes

You made it to the end of the article... Good luck on your Web Development journey! It's certainly not going to be easy, but by following this guide, you are one step closer to accomplishing your goal.

Please consider [entering your email here](#) if you'd like to be added to my once-weekly email list, and don't forget to follow codeburst on [Twitter!](#)

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