

Full Stack Web Development Bootcamp

Introduction

Welcome to the Ultimate Fullstack Web Development Bootcamp – the singular course you need to delve into coding and transform into a proficient full-stack web developer, equipping you for a successful career in web development. This extensive web development course, is exceptionally thorough, making it one of the most detailed and comprehensive programs available. Whether you're a complete beginner or starting with no programming experience, this course is designed to guide you from novice to coding expert. Here's what sets it apart:

- Led by a prominent web development expert with a proven track record collaborating with leading organizations.
- Updated for 2024, the course introduces you to the latest tools, techniques, and technologies employed by major companies such as Instagram, Google, Apple, and YouTube.
- No topic is left unexplored; each lesson is meticulously focused on a single subject, often accompanied by practical "homework." Each module culminates in a final project, offering real-world coding experience.
- The curriculum, refined over five years, is the result of instructing hundreds of thousands of students, incorporating comprehensive testing and feedback.

This course is perfect for:

- Aspiring coders seeking to learn through the creation of engaging and practical projects.
- Individuals aiming to kickstart their startup journey by developing their websites and web applications.
- Seasoned programmers looking to swiftly adapt to the latest frameworks like FLASK + PYTHON.

What you will learn:

- Acquire the skills to construct customized websites.
- Develop complete websites and web applications for your startup or business.
- Gain expertise in backend development using Python Flask.
- Stay updated on the latest frameworks and technologies, including JavaScript ES6+, Bootstrap 5, FLASK, SQLITE, and more.
- Create multiple projects to showcase your abilities to prospective employers as a junior developer.
- Explore opportunities as a freelance web developer.
- Master frontend development with HTML, CSS, and JavaScript.
- Hone backend development skills with Python, FLASK, and SQLITE3 (Python's built-in database).
- Adopt professional developer best practices.
- Learn modern workflow practices using Git and Github.
- Command line tool proficiency for efficient development.
- Gain insights into API's and RESTful API's.
- Understand the mechanics of websites and coding behind the scenes.

CURRICULUM:

Sr. No.	Course outline
FRONT-END	
Week 1	• Introduction to logic building • Introduction to flow controls, pseudo codes, algorithms • Introduction to web and basics of WWW
Week 2	• Introduction to web technologies • Introduction to HTML and HTML5 • HTMLS TAGS and components (headings, paragraphs, DIVS, buttons, forms, fields, body)
Week 3	• Introduction to CSS and CSS3 • Apply CSS on HTML page (inline vs external) CSS • CSS Components (Classes, id, Selectors, Properties, Values, Blocks, Media, Comments)
FRONTEND-VALIDATIONS	
Week 4	• Basics of Front-End Validations • JavaScript introduction – syntax, variables, conditionals (if, Nested-if), statements

Sr. No.	Course outline
Week 5	• JavaScript - Loops, Nested Loops, Operators, Short Circuit evaluations • JavaScript – Objects, Functions
Week 6	• JavaScript – Arrays, Arrays Sorting, Array Methods • JavaScript – Classes, Objects
Week 7	• JavaScript – Ajax, jQuery • JavaScript – Graphics • Intro to Bootstrap B5
Logic-Layer (Backend)	
Week 8	• Introduction to Python • Python as a programming language • Python Frameworks
Week 9	• Python installation • Syntax, conditionals, loops
Week 10	• Python Arrays, Dictionaries, Tuples • Python Objects/Classes

Sr. No.	Course outline
Week 11	• Python OOP Concepts • Inheritance • Python iterators • Polymorphism
Week 12	• Python filing • Python Exception handling
Week 13	• Intro To 3- Tier Architecture • End to End correspondence for UI (Client Side), Server Side (Logic Layer), Storage (Databases)
Week 14	• Installation of Flask • Creating a Basic Application with Flask (Flask Methodologies)
Week 15	• Render Template in flask to work with a html page • Localhost application rendering with Flask
DBMS (Storage)	
Week 16	• Intro to Databases • What is a DBMS • Intro to SQLITE DB (Default Db for Python)

Sr. No.	Course outline
Week 17	• CRUD operations in SQLITE • Table Creation • Relation vs Table • Joins in a database.
Week 18	• Fetching Data from UI to Flask Route • Db insertion using Flask Route
Week 19	• Making a Small Application • Sign up, login, and Basic Student portal.
Week 20	• Intro to Version Control Git • Benefits • Usage and working • What is bitbucket?
Week 21	• API Development • Get/Post/Put Difference • Basics of Get, Post, Put
Week 22	• HTTP Request and Response • Serializing and DE Serializing

Sr. No.	Course outline
Week 23	• Security Practices • SQL injection, cross-site scripting (XSS) • Authentication and Authorization
Week 24	• Conclusion. • Project Evaluations

Skill-Wise Earnings:

Skill Level	Avg Monthly Salary
Junior	60k- 70k
Mid-Level	90k -150k
Advanced	150k- 300k
Freelancer	Earn in millions

Affiliation & Collaboarations

