

90-Day Full-Stack Development Mastery



Key Objectives

Understand and implement both front-end and back-end technologies

Develop a full-scale web application from concept to deployment

Master version control with Git and collaboration tools like GitHub

Day 1: Introduction to HTML and CSS. Setup development environment.

Day 2: Learn basic HTML tags and create a simple HTML page.

Day 3: Explore CSS selectors and properties; style your HTML page.

Day 4-7: Continue practicing HTML and CSS by building a multi-page static website.

Day 8: Introduction to JavaScript basics.

Day 9: Learn about variables, data types, and operators in JavaScript.

Day 10: Implement control structures like loops and conditionals in JavaScript.

Day 11-13: Develop interactive features for your static website using JavaScript.

Day 14: Introduction to Git. Setup Git and create your first repository.

Day 15-20: Deep dive into advanced JavaScript features and asynchronous programming.

Day 21: Learn about Node.js and set up a local development server.

Day 22-28: Explore Express.js framework and build a simple REST API.

Day 29-30: Implement user authentication and data validation in your API.

Day 31: Introduction to databases. Start with relational databases using MySQL.

Day 32-36: Work on connecting your API to a MySQL database and perform CRUD operations.

Day 37: Learn about NoSQL databases. Introduction to MongoDB.

Day 38-42: Incorporate MongoDB in your projects and replace MySQL for certain functions.

Day 43-44: Overview of front-end frameworks. Introduction to React.js.

Day 45-53: Delve into React.js and create dynamic user interfaces.

Day 54-60: Combine React.js with your backend API to build an end-to-end application.

Day 61: Introduction to application deployment. Explore platforms as a service (PaaS).

Day 62-69: Deploy your application using Heroku or similar PaaS.

Day 70-90: Refinement, documentation, and finalizing your portfolio application. Address bugs and gather user feedback.