SD: SOFTWARE DEVELOPMENT

234 units

KZ   Kolawole Jolayemi   Lead instructor

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About this course

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What you will learn

1. Introduction to Web Development:

- What is web development?
- Overview of the frontend and backend
- Basics of HTML, CSS, and JavaScript
- How browsers work

2. Setting Up Your Development Environment:

- Installing a text editor (e.g., Visual Studio Code)
- Introduction to the terminal/command line
- Installing Node.js and npm

3. HTML and CSS Fundamentals:

- Understanding HTML tags and structure
- Styling with CSS: Selectors, properties, and values
- Building a simple static webpage

4. Introduction to JavaScript:

- Variables, data types, and operators
- Control flow: if statements, loops
- Functions and basic JavaScript events

- What is Node.js, and why use it?
- Installing Node.js and npm
- Running your first Node.js script

6. Backend Development Basics:

- What is the backend?
- Creating a basic server with Node.js
- Introduction to request and response objects

7. Working with Databases:

- Introduction to databases (e.g., MongoDB)
- Setting up and connecting to a database
- Basic CRUD operations with a database

8. Creating Your First Full-Stack App:

- Integrating the frontend and backend
- Building a simple web application with Node.js and Express.js

9. Frontend Development with React:

- What is React, and why use it?
- Setting up a React development environment
- Building your first React component

10. State and Props in React:

- Understanding state and props
- Managing component state
- Passing data between components

11. Creating a React App with Multiple Components:

- Building a multi-component React application
- Handling user input and forms in React

12. Connecting the frontend to the backend:

- Making API requests from React to Node.js
- Displaying data from the backend in your React app

13. Basic Styling in React:

- Styling React components
- Introduction to CSS-in-JS libraries (e.g., styled-components)

14. Introduction to Deployment:

- The basics of deploying a web application
- Deploying a simple app to a hosting service (e.g., Netlify)

This course includes

- ▶ More than 23 hours on-demand video
- 📄 0 pdf files
- 🔊 0 audio files
- 🎁 0 resource documents
- ↻ Full lifetime access

Instructor

KJ

Kolawole Jolayemi

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