JAVASCRIPT FULLSTACK WEB DEVELOPMENT COURSE

Tech Accent

Thank you for your interest in our JavaScript Full-stack course.

At Tech Accent, it is not just about learning HTML/CSS or about becoming a frontend or a backend or even a full stack developer. It transcends just learning programming and learning how to write codes. We are even more passionate about helping you learn to 'speak' tech fluently.

We have made it our sole priority to help you accelerate your dream and desire to become a world-class software developer or designer, whether or not you have prior knowledge or experience.

COURSE OVERVIEW

During the 20 weeks intensive JavaScript Full-stack program, you would learn how to speak JavaScript eloquently through writing clean, reusable codes, acquiring industry-standard skills and understanding the principles guiding programming as a whole. We understand the complexities surrounding programming in its entirety and as such, we intend to use this course to demystify programming to the most basic level to take you from a complete novice to mastery level and to make you job-ready at the end of the course.

By the end of this program, you would have been able to design and layout responsive web applications using different layout techniques; build secure full-stack applications in relation to design patterns and structures; model, store and perform CRUD operations in MongoDB; develop full-stack applications using JavaScript; consume and integrate third-party RESTful APIs in an application; deploy applications to the web using cloud-based hosting such as Netlify, Vercel & Heroku; and clearly document and present the projects you have developed and deployed.

COURSE DETAILS

PHYSICAL CLASSES:

Duration: 20 weeks

Time: 9am – 3pm (Mondays through Wednesdays)

Start Date: Monday, 9th January, 2023

Course fees: ₦ 400,000

**NB: Course fees includes cost for classes, projects and certificate. No extra charges.

ONLINE CLASSES:

Duration: 20 weeks

Time: 11am – 3pm (Saturdays) & 2pm – 6pm (Sundays)

Start Date: Saturday, 14th January, 2023

Course fees: ₦ 300,000

**NB: Course fees includes cost for online classes, projects and certificate. No extra charges.

PAYMENTS:

Discount: **Pay N300,000 (25% off) till the 15th of December, 2022 for the program. Pay N340,000 (15% off) from December 16, 2022 till December 26, 2022. Course fee returns to N400,000 after the 26th of December.

Instalment Structure: Payments can be made in two instalments. However, we accept 65% of the total before admission of student. The other 35% would be expected to be completed at the fifth week.

Bank Details:

Account Name: Tech Accent Creatives

Account Number: 5600878591

Banker: Fidelity Bank

COURSE SYLLABUS:

Frontend (13 weeks)

Week 1 – 8

- Introduction to Computer Science
- Introduction to web development and web tools (GitHub & Command lines)
- Introduction to HTML & HTML5
- Introduction to CSS3 (Application of basic CSS styles to HTML elements)
- CSS Flexbox
- CSS Grid
- Creating responsive web application using CSS Media Queries
- Introduction to Bootstrap5

- Bootstrap components
- Bootstrap grid system
- Introduction to JavaScript
- JavaScript data types, functions, data structures, control flow
- ES6 features
- Synchronous vs asynchronous JavaScript architecture
- DOM & DOM manipulation
- JavaScript Algorithms

Week 10 – 12

- Introduction to the React library & JSX
- Function-based components vs Class-based components
- Outputting dynamic values
- Handling Events in React
- Passing variables and functions as Props
- Outputting lists
- Conditional rendering
- React hooks (useState, useEffect, useRef, useContext etc)
- Fetching and consuming APIs and Integration
- React Router DOM

Week 13

- Frontend final project and presentation

Backend (7 weeks):

Week 14 – 16

- Frontend vs Backend web development
- Introduction to NodeJs & its asynchronous nature
- The Event Queue / Event Loop
- Node terminal vs REPL
- NPM & package.json file
- Package versioning and updating
- Node core, custom & 3rd-party modules
- Introduction to ExpressJS
- Creating Express server for routing
- Creating RESTful APIs
- Using Postman/Thunder Client for handling HTTP requests for CRUD operations
- Express Middlewares
- Environment variables & setting up ESLint

Week 17 - 18

- Introduction to MongoDB & Mongoose
- Creating Mongo server and connecting using the mongo shell/Using ATLAS
- Navigating the Mongo database
- Using the compass GUI
- Creating schemas for the database
- User authentication & OAuth
- Connecting the mongo/hosted database with the express server using Mongoose
- Integrating the backend server with a React Application

Week 19 – 20

- Final **full-stack** project and presentation
- Graduation and presentation of certificate

CONTACT DETAILS

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