

Chukwuebuka Azuka

Full-Stack Developer | Mathematics Graduate (2nd class upper)

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Summary

I am an experienced full-stack developer proficient in both frontend and backend development with over 2 years of experience. I specialize in developing web applications that are efficient, safe, and scalable. I have a deep understanding of JavaScript and Node.js, and I have over four satisfied freelancing clients' projects to show for it, including a real estate web application and a delivery web app. I was recently employed by Lasric Lagos, where I taught aspiring web developers in Lagos Javascript and NodeJs. I have a good attitude toward work, and I am passionate about continuous learning and willing to embrace new technologies to enhance my skill set.

Tools:

- HTML, CSS, Bootstrap, Tailwind CSS, webpack js, JavaScript, and git
- Firebase, Node.js, Express, and MongoDB

Education:

Bachelor of Science in **Mathematics** | 2022 (2nd class upper)

Nnamdi Azikiwe University, Awka, Nigeria

Experience:

Frontend developer 2021–2022 | The Seven Apex

I was responsible for:

- Developed responsive and user-friendly web layouts that functioned effectively across different devices and browsers.
- Created clean, efficient, and well-structured HTML, CSS, and JavaScript code.
- Collaborated closely with designers, back-end developers, and team members to transform design concepts into interactive web experiences.
- Implemented and optimized web graphics, animations, and interactive elements to further improve user experience.
- Optimized web performance to achieve faster loading times using webpack bundler to minify both codes and assets.
- Diagnosed and resolved cross-browser and cross-device compatibility challenges.
- Implemented SEO best practices to enhance the websites' search engine ranking.
- Collaborated with UX/UI designers to enhance the overall user experience and interface.

Backend Tutor | Lagos STEM SKILL Up Program | TechQuest STEM Academy

June 2023–August 2023

I taught a group of aspiring backend web developers Node.js through a 2-month program sponsored by Lasric Lagos, in collaboration with Techquest. Some of the topics are taught them include:

- In-Depth Understanding of JavaScript Data Types and Their Associated Methods
- Comprehensive Exploration of Synchronous and Asynchronous JavaScript Programming, Covering the Evolution of Promises, Callbacks, and Resolving Callback Hell
- Practical Experience in Working with External APIs and Manipulating Data
- Creation of Custom APIs to Enhance Their Understanding of API Development
- Proficient Execution of CRUD (Create, Read, Update, Delete) Operations Using MongoDB

- Hands-on Practice in Implementing the Model-View-Controller (MVC) Design Pattern for Efficient Code Organization
- Expertise in Error Handling and Debugging Techniques in Node.js
- Proficiency in MongoDB CRUD Operations for Effective Data Management
- Mastery of Authentication and Authorization Techniques, Involving the Use of Passport.js and JWT Tokens
- Advanced Data Security Strategies, Including the Implementation of Cryptographic Functions (bcrypt and md5) to Hash-Sensitive Database Information

One notable achievement during my tenure as an instructor was witnessing a student of mine secure an internship opportunity with Stanbic IBTC following their exceptional performance in an interview, where they impressively presented one of our class projects.

Personal and freelance Projects

2023

The Real Estate Web app (September 2023) |

My most recent project, I developed a real estate listing web app (freelance) where agents can upload available properties and potential homeseekers can view the videos, pictures, and information about the properties before going for an inspection or making a purchase.

Some of the features I implemented in the app include

- Media-Intensive Application with Cloudinary Integration: Leveraged Cloudinary for efficient media storage and management, enabling seamless handling of multimedia content.
- Enhanced Security with Authentication and Authorization: Implemented stringent authentication and authorization protocols to safeguard the application. Secure routes were established for administrators and agents, with distinct roles and privileges for both user groups.
- Efficient Data Management with Express and MongoDB: Employed Express for robust routing and harnessed MongoDB for efficient data storage and retrieval, ensuring the application's responsiveness.
- User-Centric Functionality:
 - User Authentication and Authorization: Developed a comprehensive user authentication and authorization system to safeguard user, agent, and administrator access, guaranteeing that each role's privileges were protected.
 - Edit and Deletion Protocol: Implemented a secure edit and deletion procedure which mandated administrator approval for agent-initiated listing removal requests, maintaining data integrity.
 - Agent Empowerment: Administrators had the ability to designate users as agents, expanding the pool of individuals authorized to manage listings.
 - Location Expansion: Admins enjoyed the capability to add new locations, enriching the site's geographic coverage and accessibility.
 - Advanced Filtering Options: Provided filtering options for users, allowing them to tailor their search based on listing ID, maximum price, amenities, location, number of rooms, bathrooms, and property type for highly customized search results.
 - Data Security with Cryptographic Functions: Employed cryptographic functions to hash sensitive information, ensuring robust protection of data stored in the database.

Skills

- Ability to work independently and in teams
- Problem solving
- Adaptability
- Strong Attention to Detail
- Time Management