

# IronDI Victor Chukwuemeka

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## SUMMARY

Computer Science graduate and Full-Stack Developer | Cloud Engineering with hands-on experience building MERN stack applications and deploying web applications to cloud and hosting platforms. Experienced in developing RESTful APIs, implementing authentication and third-party integrations, and configuring AWS EC2 environments with Linux, Nginx, and PM2 for application deployment and process management. Interested in building scalable, reliable software solutions and advancing expertise in cloud engineering and infrastructure.

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## EXPERIENCE

### Software Development Intern

Alabian Solutions

August 2024 – December 2024, Lagos, Nigeria

- Contributed to the development of full-stack web applications using the MERN stack, working with React.js, Node.js, Express.js, and MongoDB to support the implementation of frontend interfaces and backend functionality.
- Developed and refined responsive user interfaces using React.js and Tailwind CSS, focusing on clear layouts, reusable components, consistent styling, and a user-friendly experience across different screen sizes.
- Assisted in building and integrating RESTful APIs to facilitate communication between frontend components and backend services, helping ensure that application data could be requested, processed, and displayed appropriately.
- Supported backend development using Node.js and Express.js, contributing to server-side application functionality, request handling, and the integration of frontend features with backend logic.
- Worked with MongoDB to support application data storage and retrieval, gaining practical experience with document-based databases and their use in full-stack web application development.
- Collaborated with other developers during implementation and debugging activities, helping identify issues, investigate unexpected application behaviour, and make improvements to application functionality and usability.
- Used Git and GitHub for source control, tracking code changes, managing project updates, and supporting collaboration throughout the software development process.
- Gained practical experience working within a software development environment, strengthening problem-solving skills and developing a better understanding of how frontend interfaces, backend services, APIs, and databases work together to deliver functional web applications.

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## PROJECT

### Quick Chat Application

[quick-chat-frontend-9lep.onrender.com](https://quick-chat-frontend-9lep.onrender.com)

- Designed and developed a full-stack real-time chat application that enables users to communicate through an interactive web interface. Built the frontend using React.js and Tailwind CSS, creating responsive layouts and reusable components to provide a consistent user experience across different screen sizes. Developed the backend using Node.js and Express.js, implementing RESTful APIs to support application functionality and communication between the client and server. Integrated MongoDB to manage application data and support the application's data storage requirements. Implemented user authentication and messaging functionality to enable users to access the application and communicate with one another. Integrated Socket.IO to facilitate real-time message delivery and track online user status, improving the responsiveness of conversations. Connected the frontend and backend through API requests and authentication flows. Used Git and GitHub for version control and project management, and deployed the application on Render to make it accessible online.

### Food Delivery Application

[food-del-frontend-53vt.onrender.com](https://food-del-frontend-53vt.onrender.com)

- Designed and developed a full-stack food delivery application that allows customers to browse available meals, explore food items, and place orders through a user-friendly web interface. Built the frontend with React.js and CSS3, focusing on clear navigation, responsive page layouts, and an intuitive ordering experience. Developed backend functionality using Node.js and Express.js to handle application requests, support order operations, and facilitate communication between the frontend and backend. Integrated MongoDB to store and manage application data. Implemented Stripe integration to support online payment processing as part of the ordering workflow. Developed an administrative dashboard that enables administrators to view and manage customer orders, including pending and delivered orders. Connected the application's user-facing interface with its backend services to support the main ordering and management features. Tested the application's core workflows during development and deployed the completed project on Render.

### E-Commerce Application

[forever-frontend-alpha-six.vercel.app](https://forever-frontend-alpha-six.vercel.app)

- Developed a full-stack e-commerce application designed to provide users with an online shopping experience, including product browsing, product catalogue interaction, and order processing functionality. Built a responsive frontend using React.js and Tailwind CSS, creating reusable interface components and layouts that support navigation across the application. Implemented backend services with Node.js and Express.js to

handle API requests and connect the frontend to the application's data and business logic. Integrated MongoDB for application data storage and management. Incorporated Stripe to support online payment processing and Cloudinary to upload, store, and manage product images used throughout the platform. Developed an administrative dashboard that provides order management functionality and allows administrators to monitor orders as they progress through different stages, including placed, packing, out for delivery, and delivered. Connected the frontend, backend APIs, database, and third-party services to bring the platform's main shopping and administrative features together. Deployed the application on Vercel to make the project available online.

## E-Commerce and Logistics Platform

[www.johnsenterprise.shop](http://www.johnsenterprise.shop)

- Designed and developed a full-stack web platform that combines gadget e-commerce with logistics services, providing users with a central place to explore gadgets and make enquiries about sending items to different locations. Built the frontend using React.js and Tailwind CSS, focusing on responsive layouts, accessible navigation, and a consistent interface across the platform's different service sections. Developed backend functionality using Node.js and Express.js to support the application's routes and connect its frontend with the required server-side operations. Structured the platform to bring together product-related information and logistics service details within one web application. Implemented a WhatsApp-based enquiry workflow that directs customers' order enquiries to the administrator's WhatsApp for further communication and processing. This allows customers to initiate enquiries without relying solely on a traditional checkout process. Integrated the frontend and backend functionality to support the platform's core features and improve the flow of information between users and the service administrator. Deployed the application on Render to make the platform accessible online.

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## EDUCATION

### Bachelor of Science in Computer Science

University of Nigeria · Nsukka · 2025

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## CERTIFICATIONS

### AWS Cloud Practitioner Essentials

Amazon Web Services (AWS) · 2026

### MongoDB — Overview Badge

MongoDB · 2026

### AWS Cloud Practitioner ( In Preparation)

Amazon Web Services (AWS) · 2026

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## SKILLS

Cloud & Infrastructure: AWS EC2, Linux Server Administration, Nginx, PM2, Cloud Deployment

Frontend Development: JavaScript, React.js, Tailwind CSS, HTML, CSS

Backend Development: Node.js, Express.js, Mongoose, RESTful API Development, JWT Authentication

Databases: MongoDB, SQLite

DevOps & Tools: Git, GitHub, npm, Postman, VS Code

Third-Party Integrations: Stripe, Cloudinary, Paystack, Socket.IO

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