

Ogwu-Nelson David

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PROFESSIONAL PROFILE

I am a passionate software engineer with over 5 years of coding experience and 4 years of experience shipping successful software products. I specialize in React, Node.js, Express, React Native, TypeScript, Next.js, and MongoDB. I've scaled business solutions by 75% through optimizing development workflows and led 60% of the work on multiple projects, from system design to deployment. My expertise spans development, testing, scalability, system design, and CI/CD. I've served over 3,000 users and collaborated with global teams, driving results that helped businesses scale.

EXPERIENCE

Ajian Labs

Software Engineer

Rivers, Nigeria

March 2024 – Present

- Led the development of the SmartX crypto exchange wallet mobile app using React Native, delivering a secure, user-friendly application with real-time wallet functionalities for cryptocurrency trading and management.
- Designed and developed the Tsunami Ecommerce platform, utilizing Framer for dynamic prototyping and building the frontend with Next.js, ensuring a seamless, responsive shopping experience for users.
- Utilized the MERN stack to build full-stack web applications for clients, ensuring performance optimization, security, and scalability across various projects.
- Integrated TypeScript throughout the development process, reducing bugs, improving code quality, and ensuring robust type safety across both frontend and backend projects.
- Engaged with clients directly, offering technical consultation and demonstrating solutions built with ReactJS and NextJS, helping clients meet their business goals with cutting-edge web and mobile solutions.
- Managed version control and project coordination using Git and Skype, fostering effective communication and collaboration within distributed development teams.

Spacebank

Software Developer & Team Lead

Bayelsa, Nigeria

November 2022 – February 2024

- Developed and launched the entire Spacebank landing page and web application using Next.js and ReactJS, creating a seamless user experience and optimizing the platform for performance and scalability.

- Collaborated closely with the Blockchain developer to integrate Blockchain-based services into the Spacebank platform, enabling secure, decentralized financial transactions for users.
- Architected the backend infrastructure with Node.js and Express, ensuring scalable, efficient, and secure backend systems to support the web application and API services.
- Implemented unit testing with Mocha and Chai to guarantee the reliability and robustness of the APIs, improving code quality and reducing the risk of bugs in production.
- Led API integration efforts, creating modular and reusable components to interact with both internal and external services, improving overall system maintainability.

Lifestack Technologies

Software Engineer & Project Manager

Rivers, Nigeria

February 2023 – Present

- Led the end-to-end project management for Saveply, a savings platform tailored for the informal sector, overseeing the product lifecycle from ideation to launch. Ensured timely delivery while aligning development goals with client expectations.
- Spearheaded the development and deployment of Pennystack, a pension platform designed for the informal sector, facilitating seamless collaboration between cross-functional teams to build a secure, user-friendly platform that addresses unique pension needs.
- Managed the project lifecycle for Raha, a grocery delivery platform, coordinating with stakeholders to streamline product features and optimize the platform for operational efficiency, resulting in enhanced customer satisfaction and market adoption.
- Implemented Agile project management practices to enhance team productivity, conducting daily stand ups and sprints, and ensuring key milestones were met on time.

Antigravity Group

Software Engineer (Consultant)

Rivers, Nigeria

October 2022 – March 2023

- Led the design and development of Antigravity Group's original website, utilizing ReactJS, Framer Motion, and AOS to create a dynamic, visually engaging, and interactive user experience, enhancing site performance and user retention.
- Architected and implemented software solutions using the MERN stack, focusing on scalability, performance, and maintainability, delivering robust full-stack applications for the company.
- Integrated modern design and development practices, acting as the Chief Ideator, driving creative and technical strategies to unify software engineering with cutting-edge design principles.
- Collaborated cross-functionally with a distributed team using Skype for seamless communication, employing Docker to streamline development environments and ensure smooth deployment across various projects.
- Designed and launched the company's first family-oriented media website, creating a responsive and user-friendly platform optimized for high traffic and multimedia content.
- Mentored junior developers on JavaScript frameworks, ReactJS, and TypeScript, fostering a culture of knowledge sharing and technical excellence within the team.

- Collaborated with a cross-functional team of six developers to design, develop, and ship high-quality digital products, ensuring timely delivery and adherence to project specifications.
- Interfaced directly with clients to gather requirements, offer technological insights, and provide tailored solutions, enhancing client satisfaction and fostering long-term relationships.
- Developed and optimized both frontend and backend components using JavaScript, ReactJS, and Node.js, contributing to the full software development lifecycle from ideation to deployment.
- Collaborated with smaller internal teams, providing full-stack expertise to accelerate product development, integrating various technologies such as MongoDB and Express into project workflows.

PROJECTS

SmartX: Cryptocurrency Trading Hub

Web/Mobile App

I led the Frontend and Mobile App development using React Native, creating a seamless user experience for cryptocurrency trading across platforms. Implemented 100% of state management with Jotai, improving performance and responsiveness through scalable state handling. Worked with the backend developer to integrate the API, enabling real-time synchronization for trading features like spot trading, margin trading, P2P trading, and gift card trading. Optimized the web app using NextJS, completing 70% of the performance enhancements and ensuring a unified interface for web and mobile users. Integrated security measures covering 90% of the platform to protect user data and transactions. Enhanced user experience with real-time updates for price fluctuations, trade execution, and account management, making trading 50% more efficient and transparent for users

Lit Model Management

Web App

Developed the frontend using Next.js, creating an intuitive interface for talent discovery, bookings, and portfolio management. Designed and built the Admin Panel with Next.js and ExpressJS, equipping the agency with tools for managing talent profiles, contracts, and schedules. Handled 100% of state management using Jotai, optimizing data flow and user interactions for a responsive experience across the web app and admin panel. Integrated 80% of the secure API endpoints with ExpressJS for seamless backend interactions. Delivered a consistent, scalable platform with a unified experience for clients and models, and implemented responsive design, boosting engagement and usability by 85%

Spacebank

Web/Mobile App

Developed the Web App using Next.js, delivering a fast, responsive interface for decentralized financial services such as wallet management, payments, and transactions. Built 80% of the Mobile App with Ionic and 20% Java, ensuring a seamless cross-platform experience mirroring the web app. Handled 100% of

state management with React ContextAPI, ensuring real-time updates across both platforms. Developed 90% of the backend using ExpressJS, architecting secure, scalable APIs for high availability and performance. Integrated the mobile app with the backend, enabling real-time transactions and notifications. Worked closely with the Blockchain developer on Web3 features and optimized the platform, improving performance and security by 75%.

SKILLS

Technologies: Javascript, HTML/CSS, React, Node.js, Express, Ionic, Python, Redis, Linux, MongoDB, Bootstrap, Git, Electron, Typescript, NextJS, React Native, Axios, Ubuntu, Netlify.

Tools: Visual Studio Code, Android Studio, AWS, Jupyter Notebooks, Git, Bootstrap, Docker, Trello, Skype

EDUCATION

Miva Open University

BSc. Software Engineering

Abuja, Nigeria

Expected Graduation, September 2026

- o **Concentrations:** Software Design & Development
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

National Institute of Information Technology

Diploma Software Development

Gurugram, India

Graduation, July 2021

- o **Concentrations:** Software Development
- o **Related Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Combinatorics, Object-Oriented Programming

MORE ABOUT ME

- I like to work with people who are collaborative and communicative. I believe that open communication and teamwork are key to the success of any project.
- I'm excited to work for a fast-growing company because it offers a dynamic and challenging environment where I can constantly learn and grow.
- Outside of work, I love playing Tennis, Shooting Photos and Videos, Photo Editing too. I'm a big fan of creativity and art, so I visit an Art Gallery every now and then.
- I'm currently learning about Web3, which encompasses decentralized technologies like blockchain, cryptocurrencies, and decentralized applications (dApps).