

MICHAEL OTOTE EFOSA

Software Engineer | Full-Stack Developer | IT Consultant

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GitHub: <https://github.com/Michael-21-frost>

PROFESSIONAL SUMMARY

I am a Full-Stack Software Engineer with 5+ years of experience in web and mobile application development, specializing in Angular, TypeScript, and Node.js with proven ability to design, develop, and deploy scalable, production-ready applications from initial requirements to post-launch support. I have a strong experience in frontend and backend development, REST API development, database design, authentication and authorization, and performance optimization. Strong background working with Spring Boot, Ionic, and Firebase to deliver cross-platform and enterprise solutions and have successfully delivered real-world products including SaaS platforms, e-commerce systems, and online examination platforms. Writes clean, maintainable code and collaborates effectively with clients and development teams in Agile environments.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, SQL, HTML5, CSS3

Frameworks & Libraries: Angular, Node.js (Express), Spring Boot, Ionic, Progressive Web Apps (PWA)

Databases: MySQL, PostgreSQL, Firebase

Tools & Platforms: Git, GitHub, RESTful APIs, Postman, cPanel, Linux, Jest

Testing: Unit Testing, Integration Testing, Performance Optimization

Methodologies: Agile, Scrum, SEO Optimization, Responsive Design, Version Control

FEATURED PROJECTS

PicksNCarts SaaS Platform | Angular + Node.js + MySQL

I recently developed a full-stack SaaS marketplace platform for surplus goods. Designed component-based frontend architecture using Angular and implemented RESTful API development with Node.js. I built secure authentication and authorization systems, integrated payment gateway solutions, and optimized application performance for scalability and high traffic environments.

Full-Stack E-Commerce Platform | Angular + Node.js/Express + MySQL

Built and designed a full-stack e-commerce application with shopping cart, checkout, payment gateway integration, and admin dashboard. I improved performance optimization by reducing page load time by 40 percent using lazy loading and code splitting techniques.

Real-Time Task Management Application | Ionic + Firebase + TypeScript

Developed a cross-platform Progressive Web Application (PWA) with real-time data synchronization, task tracking, and push notifications. My primary focus was on mobile-first design and performance optimization to ensure smooth user experience across devices.

Inventory Management System | Spring Boot + PostgreSQL + Java

Designed and developed backend systems using Spring Boot with RESTful APIs, role-based access control, and reporting features. Implemented database schema design and automated business processes, improving operational efficiency.

WAEC Exam Management System | Node.js/Express + MySQL

I built an online examination platform supporting multiple question types with automated scoring. Designed scalable database architecture and ensured reliable test generation and system performance under large data loads.

PROFESSIONAL EXPERIENCE

Freelance Software Engineer and Technology Consultant | Self-Employed Jan 2021 – Present

- Developed and delivered full-stack web and mobile applications using Angular, Node.js, Ionic, and Spring Boot, covering frontend and backend development
- Managed end-to-end software development lifecycle including requirements gathering, system design, coding, testing, deployment, and post-launch support
- Implemented REST API development, database design, authentication and authorization, and performance optimization across multiple projects
- Improved application performance and search engine optimization (SEO), achieving up to 40 percent reduction in page load time on production systems
- Delivered 6+ scalable applications including SaaS platforms, e-commerce systems, real-time PWAs, and online examination platforms
- Maintained client relationships through consistent delivery, technical support, and issue resolution

Software Development Intern | Tech-Hub Jan 2022 – Dec 2023

- Contributed to frontend and backend development of live applications, including feature development, debugging, and code refactoring
- Applied debugging and troubleshooting techniques to resolve system issues and improve application stability
- Developed and executed unit and integration testing using Jest to ensure code quality and reliability
- Worked with Git-based version control systems and supported deployment pipelines in a collaborative development environment
- Participated in Agile and Scrum methodologies including sprint planning, standups, and code reviews

IT Consultant | MTN Nigeria Jan 2019 – Dec 2020

- Provided IT support and technical consulting across business units as part of digital transformation initiatives

- Identified and resolved system reliability and performance issues, improving uptime and operational efficiency
- Collaborated with cross-functional teams to implement technology solutions within existing infrastructure
- Produced technical documentation and conducted end-user training to support system adoption and usability

EDUCATION

Higher National Diploma (HND) Computer Science & Technology
Yaba College of Technology, Lagos

2022 – 2025

CERTIFICATIONS

Professional Certifications:

- Software Engineering - IBM (Coursera)
- Computer Programming - Google Africa
- Software Development - Tech-Hub