Joshua Adegbite

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Professional Summary

Backend-focused Software Engineer with 3+ years of experience architecting and implementing robust server-side solutions. Specialized in building high-performance RESTful APIs, real-time systems, and scalable backend architectures using Node.js, Laravel, and Flask. Proven track record of optimizing database performance, implementing secure authentication systems, and integrating third-party services while maintaining high academic excellence in Computer Science.

Technical Skills

- **Backend Technologies:** Node.js, Express, Laravel, Spring Boot, Flask, Socket.IO
- **API Development:** RESTful APIs, WebSockets, JWT Authentication
- **Databases:** MongoDB, MySQL (Schema Design, Query Optimization, Indexing)
- **Performance Optimization:** Caching, Load Balancing, Database Indexing
- **Integration Services:** Paystack, Stripe, WebRTC, Third-party APIs
- **Testing:** Unit Testing, Integration Testing, Postman

Professional Experience

Freelance Backend Engineer 2024 – Present

- Developed RESTful APIs for multiple client projects using Node.js and Laravel
- Integrated payment gateways (Paystack, Stripe) with secure webhook implementations
- Containerized applications using Docker for consistent deployment across environments
- Implemented real-time features using Socket.IO for chat and notification systems

Backend Developer – LIACT June 2024 – August 2024

- Developed RESTful API using Node.js, Express, and MongoDB for secure user and admin authentication
- Implemented product management system with Stripe integration for payment processing
- Optimized database queries and API response times for improved scalability
- Designed and implemented role-based access control (RBAC) system for endpoint security

Backend Projects

Buzz Chat - Real-Time Communication Platform   Dec 2024 – Mar 2025

- Engineered real-time messaging backend using Node.js, Socket.IO, and WebRTC
- Designed MongoDB schema for optimal message storage and retrieval
- Implemented rate limiting and message queuing for high-traffic handling
- Developed REST API for user authentication and chat room management

Milki Hotel - Booking System Backend   Feb 2024 – Oct 2024

- Built Laravel backend with MySQL for room inventory and booking management
- Integrated Paystack payment processing with secure transaction verification
- Developed admin API endpoints for hotel management operations
- Implemented booking availability algorithms to prevent double-booking

Hope Academy - School Management API   May 2023 – Dec 2023

- Created Node.js backend serving multiple API endpoints for school operations
- Designed MongoDB schema for student records, grades, and attendance
- Integrated Paystack for fee payments with webhook verification
- Developed real-time notification system using Socket.IO

Education

Ladoke Akintola University of Technology   Expected 2027
B.Tech., Computer Science (High Academic Excellence)   Oyo, Nigeria
Soft Quest Incorporated   2024
Backend Development Certification   Oyo, Nigeria

Certifications

Stuthern Hackathon: Backend Developer   Dec 2023
Jobberman: Soft Skills Training   Feb 2023