

Olunlade Abdulmuiz

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with production experience across the complete software development lifecycle — system design, RESTful API architecture, JWT authentication, database modelling, and CI/CD deployment on cloud infrastructure. Shipped FXGuard, a production fintech platform integrating Interswitch payment APIs, Frankfurter real-time FX data, and Anthropic Claude AI for intelligent conversion recommendations. Proficient in React, Next.js 14, FastAPI, and PostgreSQL. Proven ability to diagnose and resolve complex production failures including CORS violations, SMTP network blocks, environment misconfiguration, and database instability. Actively seeking entry-level frontend or full-stack roles — onsite Lagos or remote.

TECHNICAL SKILLS

Frontend: React, Next.js 14 (App Router), TypeScript, JavaScript (ES6+), Tailwind CSS, HTML5, CSS3, Responsive Design, REST API integration

Backend: FastAPI, Node.js, Express.js, Python, RESTful API design, JWT, OAuth2, middleware, Pydantic, SQLAlchemy, Alembic, rate limiting

Database & DevOps: PostgreSQL, SQLite, Prisma ORM, Git, GitHub, Vercel, Railway, CI/CD pipelines, environment configuration, CORS hardening

Concepts: System design, API security, secure authentication, performance optimisation, agile development, third-party API integration

EXPERIENCE

Software Engineer — Freelance · Independent / Project-Based

2024 – Present

- ▶ Designed and implemented production-grade RESTful APIs with JWT access/refresh token authentication, protected routes, and centralised error handling across multiple deployed applications.
- ▶ Integrated third-party APIs including Interswitch payment gateway, Frankfurter real-time FX data, and Anthropic Claude AI into a full-stack fintech application serving African SME users.
- ▶ Diagnosed and resolved critical production incidents: 502 gateway errors from SMTP network failures on Railway, CORS policy violations, broken environment variable pipelines, and PostgreSQL connection pool exhaustion.
- ▶ Built and deployed responsive, accessible frontend interfaces using React and Next.js 14 App Router with TypeScript — translating design references into clean, maintainable component architecture.

PROJECTS

FXGuard — Cross-Border Invoicing & FX Optimisation Platform · [Next.js 14](#) · [FastAPI](#) · [PostgreSQL](#) · [Interswitch API](#) · [Claude AI](#)

2026

- ▶ Architected and shipped a production fintech platform for African SMEs — invoice generation, structured payment details, Interswitch payment link creation, and JWT-secured REST API deployed on Railway and Vercel.
- ▶ Built an AI-powered FX recommendation engine: fetches 30-day Frankfurter historical rates, computes RSI-14, SMA-7/20, and volatility indicators, then passes real market data to Claude Sonnet for natural language conversion advice.
- ▶ Resolved Railway SMTP block by migrating to Resend HTTP API; implemented startup environment validation, structured request logging middleware, and PostgreSQL connection pooling for production reliability.

LifeOS — Full-Stack Personal Productivity Platform · [React](#) · [Next.js](#) · [Node.js](#) · [PostgreSQL](#)

2025

- ▶ Delivered an end-to-end productivity system covering task management, daily focus, goals, and context tracking — featuring JWT auth, protected routes, modular backend, and centralised error handling.
- ▶ Diagnosed and resolved complex post-deployment failures including CORS policy violations, API crashes, and environment misconfiguration across Railway and Vercel production environments.

Professional Art Portfolio — Full-Stack Gallery & CMS · [React](#) · [Vite](#) · [TypeScript](#) · [Supabase](#)

2024

- ▶ Built a production-ready portfolio platform with dynamic image galleries, authentication-gated admin CMS, contact form handling, and full Supabase backend integration deployed to Vercel.

EDUCATION

B.Sc. Computer Science (In Progress) · Trinity University, Lagos, Nigeria

2023 – Present

Relevant Coursework: Data Structures & Algorithms · Object-Oriented Programming · Databases · Software Engineering · Operating Systems · Computer Networks · Human-Computer Interaction