Emmanuel Oghene

Benin City, Nigeria • (+234) 807 192 0976 • emmanueloghene72@gmail.com

Backend-leaning full-stack engineer with 4+ years of experience building and maintaining production web systems. Strong focus on API design, authentication & authorization, data modeling, real-time systems, and backend architecture. Proven ability to own systems end-to-end and improve performance, reliability, and operational efficiency.

Professional Experience

NOVEMBER 2024 – APRIL 2025
Fullstack Developer | Rheel Estate Limited | Abuja, Nigeria

- Designed and maintained backend services supporting 500+ property listings**.**
- Built secure authentication flows with JWT, refresh tokens, and protected routes.
- Designed scalable schemas and query patterns for listings and inquiries.
- Automated internal workflows via backend email services, reducing operational overhead by 30%.
- Improved system reliability and performance through targeted backend optimizations and SSR strategies.
- Collaborated with a team of designers and lead weekly reviews to enforce best practices.

Projects

OCTOBER 2025 - NOVEMBER 2025

FlowChat | Real-Time Messaging System

- Designed a real-time messaging architecture using WebSockets (Socket.io) for private and group conversations.
- Implemented message lifecycle management: edit history, delete, forward, pin, star, and reply threading.
- Built delivery guarantees including delivered/seen indicators and unread message counters.
- Designed scalable user and group management systems with role-based permissions and moderation controls.
- Focused on state consistency between REST APIs and real-time events.

Tech: Node.js, Express.js, TypeScript, MongoDB, Socket.io

APRIL 2023 – APRIL 2023

TaskMaster | Productivity & Scheduling System

- Designed MongoDB schemas supporting 10,000+ task records with optimized queries.
- Built secure authentication flows including registration, login, and password resets.
- Implemented background job processing for email reminders using Nodemailer and node-cron.
- Developed analytics endpoints for task completion insights, increasing productivity visibility by 35%.
- Focused on backend reliability, predictable APIs, and data integrity.

Tech: Node.js, Express.js, MongoDB, TypeScript, Nodemailer, node-cron

NOVEMBER 2024 – DECEMBER 2024

Technest | Fullstack E-commerce Platform

- Designed and built an API-driven e-commerce system handling products, carts, orders, and payments.
- Implemented secure authentication using JWT, bcrypt, refresh tokens, and admin role enforcement.
- Built transaction-safe checkout flow with Paystack server-side verification.
- Designed backend logic for cart and wishlist persistence.
- Delivered the project solo, making architectural and data-modeling decisions end-to-end.

Tech: Next.js, Node.js, Express.js, MongoDB, TypeScript, Paystack

Skills & Technologies

Backend: Node.js • Express.js • MongoDB • Firebase • PostgreSQL • WebSocket/Socket.io • REST APIS • JWT Authentication

Tools & Workflow: Git • GitHub • VS Code • npm/yarn • Nodemailer • Node-cron • Paystack Integration • Stripe Integration

Frontend: React.js • Next.js • TypeScript • JavaScript • HTML5 • CSS3 • Tailwind CSS • Redux • Zustand

Education

2025
Bachelor of Computer Engineering

Ekiti State University, Ado Ekiti