Trinity Ogwezi Ishioma

Senior Backend Engineer • Node.js Specialist

Lagos, Nigeria   mazinoishioma@gmail.com   +234 810 469 4214   github.com/mazino-ux

@TOgwezi75723

🎓 Professional Summary

Highly skilled **Senior Backend Engineer** with 3+ years of experience building **scalable, high-performance systems** serving over 500,000 users. Specialized in **Node.js, Spring Boot, and Python** development with expertise in **microservices architecture, database optimization, and real-time systems**. Proven track record of **reducing latency by 60%** and **improving system reliability** for enterprise applications. Passionate about creating **clean, maintainable code** and mentoring junior developers.

⧓ Technical Skills

Backend Development

▷ Node.js, Express.js, NestJS

▷ Spring Boot, Java

▷ Python, Django, Flask

▷ REST/GraphQL API Design

▷ Microservices Architecture

▷ WebSockets, Socket.io

▷ Authentication (JWT, OAuth)

Frontend Development

▷ React, Next.js, TypeScript

▷ Tailwind CSS, Three.js

▷ State Management (Redux/Zustand)

▷ Web Performance Optimization

▷ Responsive Web Design

▷ Jest, React Testing Library

Database & Storage

DevOps & Cloud

▷ MongoDB, Mongoose

▷ PostgreSQL, MySQL

▷ Redis

▷ Firebase, Supabase, Appwrite

▷ Database Sharding

▷ Query Optimization

▷ AWS (EC2, S3, Lambda, RDS)

▷ Docker, Kubernetes

▷ CI/CD Pipelines

▷ Nginx, Load Balancing

▷ Serverless Architecture

▷ Terraform

Specialized Skills

▷ AI Integration (DeepSeek)

▷ Real-time Systems

▷ Performance Optimization

▷ Test-Driven Development

▷ System Architecture

▷ Security Best Practices

💼 Professional Experience

Senior Backend Engineer - Confidential/span>   Current   2025 - Present

- Led the design and implementation of a **scalable microservices architecture** that reduced API response times by **60%** and increased system throughput to handle **10,000+ concurrent users**

- Developed a **real-time notification system** using WebSockets and Redis that improved user engagement by **35%**

- Optimized database queries and implemented **caching strategies** that reduced server costs by **$8,000/month** while maintaining 99.9% uptime

- Implemented **JWT authentication** with role-based access control that reduced security incidents by **40%**

- Mentored **3 junior developers**, conducting code reviews and establishing best practices for the backend team

AI Backend Engineer - V-Tickets   2025

- Built a **Spring Boot microservice** integrating DeepSeek AI that processed **100+ daily queries** with **<1.2s latency**

- Reduced customer service tickets by **25%** by implementing **context-aware dialogue flows** and automated responses

- Achieved **92% cache hit rate** during traffic spikes through strategic Redis TTL implementation

- Designed and implemented a **rate-limiting system** that prevented API abuse while maintaining service availability

🪪 Technical Projects

Sentinel API - Node.js, Express, MongoDB, Redis

- Developed a **production-ready backend API** for authentication and user management, featuring **JWT with refresh tokens**, role-based access control, and comprehensive security measures
- Implemented **rate limiting**, request validation, and input sanitization to protect against common vulnerabilities
- Designed optimized **MongoDB schemas** with proper indexing that reduced query times by **75%** under load
- Integrated **Redis caching** for frequently accessed data, achieving **95% cache hit rate** during stress testing
- Configured **detailed logging** and monitoring with Winston and Sentry for production debugging

○ View on GitHub   ⇔ Live Demo

Event-Driven Ticketing System - Node.js, PostgreSQL, WebSockets

- Architected a **high-performance ticketing API** capable of handling **500+ requests/second** during peak sales periods
- Implemented **real-time seat availability updates** using WebSockets, reducing customer complaints by **30%**
- Designed a **database sharding strategy** to distribute write loads across multiple PostgreSQL instances
- Developed a **bulkhead pattern** implementation that prevented cascading failures during traffic spikes

🎓 Education & Certifications

Advanced Diploma in Software Engineering - Aptech Nigeria   Mar 2023 - July 2025

- Graduated with **Distinction** (Top 5% of class)
- Relevant Coursework: **Microservices Architecture, Database Optimization, Cloud Computing, AI Integration**

AWS Certified Developer - Associate   Dec 2024

Professional Scrum Developer (PSD)   2025