

SHOGA AYODEJI

<https://www.ayodejishogadev.site> | ayodejishoga1@gmail.com | www.linkedin.com/in/ayodeji-shoga-37b780199

SUMMARY

Backend Software Engineer specializing in .NET-based SaaS platforms, government-grade systems, and AI-powered applications. Experienced in building secure, scalable APIs, workflow-driven systems, and data-intensive services using modern .NET, relational databases, and LLM integrations.

CORE TECHNICAL SKILLS

Backend & APIs	C#, Golang, Gin .NET 6/8/9, ASP.NET Core, REST APIs, Minimal APIs
Security & Identity	.ASP.NET Identity, JWT Authentication, Role-Based Access Control (RBAC)
Data & Storage	Entity Framework Core, Microsoft SQL Server, PostgreSQL, SQLite, Qdrant
AI & Data Processing	OpenAI API, Retrieval-Augmented Generation (RAG), Vector Databases
DevOps & Tooling	Docker, GitHub, CI/CD Pipelines

WORK EXPERIENCE

Backend Engineer

Quocreo Technologies (Lagos)

Dec 2024 - Present

- Designed, built, and maintained scalable .NET 8/9 backend services supporting a multi-tenant SaaS platform with role-based access control and subscription-based feature management.
- Collaborated closely with frontend engineers, product stakeholders, and other interns, providing technical guidance and coordinating feature delivery to meet project timelines.
- Integrated AI/LLM-driven capabilities to power personalized chatbots, analytics, and data insights across aggregated enterprise tools.

PROJECTS

DocStream – Electronic Document Management System (EDMS)



- Tech Stack:** ASP.NET Core (.NET 6), Entity Framework Core, Microsoft SQL Server, ASP.NET Identity, JWT
- Engineered core backend modules using **ASP.NET Core (.NET 6)** and **Entity Framework Core** for a government-grade Electronic Document Management System used across multiple ministries and enterprises.
 - Designed and implemented role-based access control using **ASP.NET Identity** and **JWT**, enforcing strict access segregation by department and user role in line with regulatory requirements.
 - Built and optimized document routing and approval workflows with full approval traceability, supporting multi-level authorization and compliance auditing.
 - Contributed to backend performance optimization and document storage architecture using **Entity Framework Core** to support scalable and efficient record retrieval.
 - Implemented document versioning, metadata tagging, secure archival, and indexed search using **Microsoft SQL Server**.

Pulsemon – Multi-tenant Service Reliability Monitor API

 | 

- Tech Stack:** Go, Gin, PostgreSQL, GORM, JWT, Resend, Render, Aiven
- Designed and built a production-grade multi-tenant **REST API** in Go that continuously probes HTTP/HTTPS endpoints on configurable intervals, detecting failures, tracking SLA breaches, and delivering automated HTML email alerts via Resend.
 - Architected a concurrent probe pipeline using **goroutines and channels**. A Scheduler dispatches ProbeJobs to a Worker Pool, results flow into a Result Processor, and the Alert Engine enforces cooldown logic before firing notifications, with no shared memory or race conditions.
 - Implemented **SSL certificate inspection** for HTTPS endpoints, tracking certificate validity, issuer, and days until expiry.. Alerting users when certificates fall below a 30-day threshold.
 - Built pre-calculated **latency histograms** (avg, p95, p99) and **SLA compliance tracking** stored directly on service records, enabling O(1) dashboard reads regardless of probe history size.
 - Engineered a complete auth system including **JWT** authentication with 7-day refresh token rotation, UUID-based **role-based access control** (User and Admin), email verification with hard API block on unverified users, and secure password reset using token type prefixing.
 - Applied production-grade engineering practices including versioned database migrations with golang-migrate, **per-endpoint rate limiting**, graceful shutdown with 10-second drain on SIGTERM, request ID tracing, **CORS origin whitelisting**, and security headers (CSP, HSTS, X-Frame-Options).