Osagie Osemwota

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Senior Golang Engineer with 6+ years experience.. Golang(Mux, Fiber), Typescript/Nodejs(Express), Java(Springboot), Rust(Tokio), Docker, K8s, Mongo...

I'm that guy that gets it done !!!.

🪪 Profile

A result-oriented and self-motivated Software Developer with a First Class Honors Bsc Degree in Computer Science and Mathematics from Crawford University and experience in Software Project Planning, Frontend/Backend Web Development, Mobile Application development and Financial Technology Systems. However majoring in Backend Development now.

🔠 Programming Languages

Typescript / Nodejs
Golang
Java
Rust

⚙ Used Technologies

Typescript/Node : Express JS, Graphql Yoga, Apollo Graphql
Event-Streaming / Queues : Socket.io, Nats Streaming Server, Rabbitmq
Golang : Mux, Fiber, GORM, goroutines, channels, context, go test, pprof
Java : Springboot, Spring MVC
Database : Mongodb, Mysql, Postgresql, Rethinkdb, Firebase, Elasticsearch,Mongoose, Prisma
Containerization: Docker, Kubernetes
Others: JWT, OAuth2(Keycloak), Netflix Eureka, Jest, Test Containers, etc.
Rust : Axum (WebSocket), Tokio, MongoDB, Redis, Prometheus, Serde, Lettre

📰 My Open Source Projects

https://github.com/greyhands2/snerd-go
https://www.npmjs.com/package/graphql-parse-relation-fields/
https://www.npmjs.com/package/edges-to-graph
https://www.npmjs.com/package/osas-string-utils

✎ Technical Blogs

https://medium.com/@greyhands2/google-like-in-app-search-engine-with-golang-fiber-websocket-elasticsearch-and-docker-808df47c81b0
https://medium.com/@greyhands2/implement-an-api-gateway-and-a-service-discovery-server-using-springboot-spring-security-e6568d5631ca

⚒ Tools

Jenkins
Nginx
Github Actions
Postman
Jira
Skaffold
Docker Desktop
AWS EC2, AWS Fargate, AWS Lambda
Azure, Heroku, Render
Kibana
Linear
SonarQube
OpenAPI

⊙ Some Github Projects

https://github.com/greyhands2/my-first-prog-language
https://github.com/greyhands2/timed-token-generator
https://github.com/greyhands2/goroutineFactory
https://github.com/greyhands2/wallet-engine

📁 Portfolio

https://jovial-heliotrope-ab53ab.netlify.app

💼 Work Experience(2020)

- **Thrindle Startup** (Ecommerce) : Lead Backend Developer
- Nodejs, Mongodb(Mongoose), Redis, Bull js, Socket.io, Paystack, Git, Github
- An ecommerce startup in nigeria
- Built REST API services handling multi-tenant authentication, real-time messaging, notifications, and payment/wallet services. Delivered MVP that secured $26 million Series A investment.

💼 Work Experience(2020)

- **Syntax Imagination (Payment & Cloud Services) : Fullstack JS Developer**
- Nodejs, Mongodb(Mongoose), Redis, Bull js, Socket.io, Paystack, Git, Github(Actions), AWS, React, Node Webkit
- Boxedall(Cloud Hosting platform) & ShockInflux(Payment Gateway) in nigeria
- Built REST API microservices for user creation, configuraiton and purchase of cloud services for the Boxedall platform. Also successfully implemented services for the integration of bank APIs for the payment gateway ShockInflux which is being used by Winners Chapel and Covenant University

💼 Work Experience(2022)

- **AnchorJeti Startup(Marine Services) : Lead Backend Developer**
- Nodejs, Mongodb(Mongoose), Redis, Bull js, Socket.io, Jest, Paystack, Git, Github(actions), AWS
- A specialised ecommerce application for the marine and oil sector in nigeria
- Built TDD-driven REST API microservices for authentication, real-time messaging, notifications, and payment processing.

💼 Work Experience(2023)

- **Vatug Startup**(Vessel Chartering Service) : Lead Backend Engineer (CTO/Cofounder)
- Nodejs(Express), Mongodb(Mongoose), Redis, Bull js, Socket.io, Jest, Paystack, Git, Github(actions), AWS
- An Application for management, chartering and sales of marine vessels
- Built TDD-driven microservices handling authentication, real-time messaging, notifications, and crypto payment integration.
- **HaggleMeet**. A Rust based real time price negotiation Saas application
- Rust(Tokio), Mongodb, Redis
- Successfully Built API user management services and websocket layer for a real time price haggling service.

💼 Work Experience(2024)

- **Tirith Technology** (Gym Management SaaS) : Senior Software Engineer
- Golang (Mux, GORM), PostgreSQL, Docker, Svelte5, Cliq Payment Gateway, Linear, Windsurf AI IDE, SonarQube
- A comprehensive gym management platform handling memberships, subscriptions, and payment processing
- First did a structural refactor of the gym management app backend codebase for easier development
- Architected and implemented account/member/trainer plan creation and subscription systems with recurring billing. Integrated Cliq payment gateway for seamless transactions. Built all cronjob scripts for plan management and payment processing engineered to handle 10,000+ membership payments concurrently. Developed a custom queue package with auto-retry mechanism for failed recurring payments, later extracted into an open-source Go package (snerd-go). Also contributed to frontend development using Svelte5.
- Conducted code audits using Sonarqube to identify and fix security vulnerabilities and code quality issues.
- Worked on a crypto trade-engine API service integrating with Galoy Money's Cala and Bria technologies. Made an open-source contribution to Cala (written in Rust).

🎓 Education(2016 - 2019)

Crawford University, Ogun State from 2016- 2019 Bsc. Computer Science(First Class Honors).
I was the school's Student Council Chairman and also the President of my Department

🎓 Education(2011 - 2013)

Dalewares Institute of Technology, Lagos State 2011- 2013 OND. Software Engineering(Second Class Upper).

🏖 Interests

I love music and was also the lead vocalist and guitarist of a local band in my neighborhood. I also have a couple of personal projects in gaming and advertisement that I work on. I love to travel and I love good movies