

ISENEWO OLUWASEYI EPHRAIM

Backend Engineer | Node.js (TypeScript) · Go · Python | AWS Certified Solutions Architect
Kaduna, Nigeria · **Open to remote roles, and on-site/relocation with visa sponsorship**
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PROFESSIONAL SUMMARY

Backend engineer with **8 years** of experience designing and shipping APIs and services for insurance, commerce and public-sector platforms. I currently build the APIs behind **Leadway Assurance's Life Assurance** business application (99.9% API reliability) and maintain **NFTopia**, an open-source NFT platform. **290+ merged pull requests** to other teams' production codebases. AWS Certified Solutions Architect with hands-on Terraform, Docker and CI/CD delivery on AWS and Azure.

TECHNICAL SKILLS

Languages: Node.js (TypeScript), Go, Python, Java, Rust

Frameworks: Nest.js, Express, Gin, Django / DRF, FastAPI, Spring Boot, Axum

Data & Messaging: PostgreSQL, MySQL, MongoDB, Redis, Celery, RabbitMQ

Cloud & DevOps: AWS (ECS Fargate, Lambda, RDS, S3, VPC), Azure, Terraform, Docker, Kubernetes, GitHub Actions, CI/CD

Backend Practice: REST & GraphQL API design, WebSockets, authentication & RBAC, audit logging, caching, rate limiting, background jobs, payments integration (Paystack)

PROFESSIONAL EXPERIENCE

Backend Engineer — Leadway Assurance Company Ltd. **2025 – Present**

Full-time · Life Assurance business application · Node.js, Nest.js, TypeScript, PostgreSQL, Azure, Docker

- Design and maintain the REST APIs behind the Life Assurance broker and client portals, sustaining 99.9% API reliability for policy and claims workflows.
- Cut average response times on high-volume policy and claims endpoints through query tuning and caching.
- Implemented authentication, role-based access control and audit logging to meet financial-services compliance requirements.
- Ship through Azure CI/CD pipelines with zero-downtime deployments, working with DevOps on monitoring.
- Refactored legacy modules into modular, testable Nest.js services, reducing recurring bugs.

Open-Source Maintainer — NFTopia (via OnlyDust, Drips & GrantFox) **2025 – Present**

Part-time · github.com/NFTopia-Foundation · Nest.js, GraphQL, Django, PostgreSQL, Rust (Soroban), Cairo

- Led the platform through two architecture changes: from a Starknet app to separate backend services (Nest.js API, notifications, Django analytics, payments, marketplace), then to a Stellar/Soroban monorepo.
- Merged 100+ of my own pull requests and reviewed 30+ community contributions, enforcing clean architecture, testing and code-quality standards.
- Own roadmap decisions on API design, database schema evolution and error handling; built CI pipelines and contribution checks, deployed testnet contracts and mentor new contributors.

Backend Engineer — De-Extralucid Tech World, Kaduna **2018 – 2024**

Full-time · Client platforms for Kaduna State's public institutions and tech ecosystem

- **KAD ICT Hub:** backend for the state innovation hub's platform (20,000+ residents trained), covering user accounts, training-programme and course registration, startup applications and events.
- **Digital Kaduna:** backend for the Gates Foundation-funded digital lab (DFS Lab & CoLab), covering research-report and blog publishing, event and hackathon registration, and newsletter subscriptions.
- **Kadahive Innovation & Tech Hub:** member-portal backend covering accounts and dashboards, co-working space booking, event registration, a resource library and billing.
- Designed relational schemas and REST APIs for web and mobile clients, and introduced Git workflows and CI practices for faster, safer releases.

OPEN-SOURCE CONTRIBUTIONS

290+ merged pull requests to other teams' codebases across the Stellar and Starknet ecosystems ([view all on GitHub](#)). Highlights:

- **StreamPay Backend (Node.js):** stream-creation API with Zod validation, Soroban RPC client with retry policy, transaction-submission layer, immutable audit-log pipeline.
- **ChronoPay Backend (Node.js):** booking-intent APIs with owner/admin authorization, slot-update endpoint, cache-invalidation strategy.
- **ACBU Backend (Node.js):** real USDC → XLM swap on the Stellar DEX, RabbitMQ schema-validation fix, gitLeaks secret scanning in CI.
- **CarbonScribe (Go/TypeScript), 24 merged PRs:** set up the Go/Gin backend service, refactored the auth service, built monorepo CI and deployed the carbon-asset factory contract.

SELECTED PROJECTS

Global Rate Limiter as a Service · Go, Redis, NGINX, Docker	Personal
• Distributed sliding-window rate limiting on Redis sorted sets with atomic Lua scripts; 3-state circuit breaker, local-cache fallback and Redis primary-replica for high availability.	
Parcel App · Django/DRF, Spring Boot, PostgreSQL, Celery, Terraform, AWS ECS Fargate	Personal
• Multi-vendor commerce and delivery platform: Django core API with Celery/Redis jobs, a separate Spring Boot payment service with Paystack verification, infrastructure as code on AWS.	
Funkey Grab & Bite · Go/Gin, PostgreSQL, Redis, Terraform, AWS	Personal
• Food-commerce operations platform with a domain-organised Go API and a real-time event contract for live order updates.	
Queue-as-a-Service · Rust, MCP, Prometheus, Grafana	In progress
• Message queue for AI-agent workloads exposed over the Model Context Protocol: WAL persistence, JWT/API-key auth, strict CI (clippy, cargo-deny).	

CERTIFICATIONS

AWS Certified Solutions Architect – Associate · Amazon Web Services, via ALX Africa	Oct 2025
AWS Certified Cloud Practitioner · Amazon Web Services, via ALX Africa	Jun 2025

EDUCATION & TRAINING

Diploma, Computer Engineering · Tai Solarin University of Education	2012
Professional Foundations Programme · ALX Africa	2025