NEHEMIAH ADOBA DANIEL

Software and Platform Engineer
Nigeria | +234 703 242 1687 | nehemiahadoba@gmail.com | GitHub: https://github.com/nehemiah-dev | LinkedIn

PROFESSIONAL SUMMARY

Software Engineer specializing in platform engineering, distributed systems, and cloud infrastructure. Progressed from self-taught fundamentals to leading the DevOps function at an early-stage startup, where I designed and operated the CI/CD platform supporting deployments and migrated manually provisioned infrastructure to Terraform with zero downtime. Built the organization's observability platform, providing visibility into engineering performance and product reliability to support data-driven operational improvements and more predictable software delivery. Passionate about building platforms that eliminate manual toil, automate software delivery, and improve the reliability and operability of systems.

TECHNICAL SKILLS

Programming & Development: Go, Python, Bash FastAPI, Gin, REST APIs

Cloud & Infrastructure: AWS (EC2, S3, VPC, IAM), Terraform

Containers & Orchestration: Docker, Kubernetes (Deployments, Services, Ingress)

CI/CD: GitHub Actions

Observability & SRE: Prometheus, Grafana, Loki, Tempo, OpenTelemetry, Alertmanager, SLO/SLI, Incident Response

Security & Networking: Nginx, SSL/TLS, IAM

Databases & Storage: PostgreSQL, SQLite

Operating Systems & Tools: Linux, Git

PROFESSIONAL EXPERIENCE

DevOps Engineer — EnergyIQ

HNG Tech DevOps Internship Program | *Remote, Nigeria*

April 2026 – Present

Early-stage startup delivered through the HNG Tech DevOps Internship Program. Own the DevOps strategy and platform operations while working alongside a cross-functional team of engineers, product managers, and designers.

- Designed, built, and operate CI/CD pipelines that automate software delivery, enabling reliable and repeatable deployments while significantly reducing manual release effort.
- Reduced CI/CD pipeline execution time by **40%** through dependency caching, parallel job execution, and elimination of redundant workflow stages.
- Migrated manually provisioned AWS infrastructure to reusable Terraform modules, establishing version-controlled, reproducible infrastructure provisioning.
- Designed and implemented an observability platform using Prometheus, Grafana, Loki, Tempo, OpenTelemetry, and Alertmanager, introducing SLOs, SLIs, and error budgets to guide reliability engineering.
- Standardized deployment runbooks, operational documentation, and incident response procedures.

PROJECTS

Forge — CI/CD Platform & Artifact Registry
Python, FastAPI, Docker, SQLite
GitHub: *https://github.com/nehemiah-dev/forge*

- Designed and built a centralized CI/CD platform and artifact registry to standardize software delivery and replace fragmented local build workflows.
- Developed a dependency-aware pipeline scheduler supporting automatic cycle detection and parallel job execution to improve build throughput.
- Built an isolated container execution runtime enforcing network isolation, filesystem boundaries, resource quotas, and least-privilege execution for secure build workloads.
- Built a real-time log streaming service capable of delivering over **50 MB** of build output while maintaining constant memory usage.
- Strengthened software supply-chain integrity through cryptographic artifact verification, immutable content-addressed storage, and version immutability.
- Implemented a semantic version parser and dependency resolver supporting complex version constraints and deterministic lockfile generation.

SwiftDeploy — Declarative Deployment Engine & CLI
Python, Docker, Nginx, Open Policy Agent (OPA), Prometheus, Rego, YAML
GitHub: *https://github.com/nehemiah-dev/swiftdeploy*

- Designed and built a declarative deployment engine and CLI that generates Docker Compose and Nginx runtime configurations from a single manifest, eliminating manual configuration drift.
- Implemented zero-downtime canary deployments with automated promotion and rollback based on deployment health and runtime metrics.
- Integrated Open Policy Agent (OPA) with Rego policies to evaluate infrastructure health, latency, error rates, and resource utilization before deployments and release promotions.
- Developed a manifest validation and templating engine that produces reproducible deployment configurations and enforces consistent runtime environments.
- Hardened container deployments through non-root execution, isolated container networks, and structured audit logging for secure, traceable releases.
- Exposed Prometheus metrics, deployment status, and chaos-testing endpoints through an integrated CLI to improve deployment observability and operational debugging.

EDUCATION

Bachelor of Science (Hons) — Biochemistry 2020 – 2024
Kwara State University, Malete, Kwara state, Nigeria.