

SUMMARY

Backend infrastructure-focused developer and Computer Science undergraduate at Federal University Gusau, designing multi-database, multi-service architectures for high-availability, multi-tenant systems — with an emphasis on auth/RBAC gateways, service-to-service security, and scalable data layers.

EXPERIENCE

Infrastructure — Freelance · Open Source · Academic Projects · Running Jack ICT Academy

2022 – Present

- Architected a multi-tenant hospital-network backend: a NestJS auth/RBAC gateway issuing signed internal JWTs to a FastAPI EHR service and an AI receptionist service, targeting a high-availability, high-traffic multi-hospital deployment
- Designed the data layer for a nine-microservice fintech backend, splitting workloads across two Neon Postgres databases plus Qdrant for vector search and Upstash Redis for caching
- Implemented row-level security (RLS) activation across clinical routers in a healthcare EHR service to enforce tenant-level data isolation
- Built role-based access-control middleware across every layer of multi-role systems (Admin/Doctor/Nurse/Receptionist/Patient; Admin/Manager/Supervisor/Storekeeper)
- Diagnosed and resolved infrastructure-level issues: circular imports across a FastAPI service gateway, TypeScript discriminated-union errors, conditional OpenTelemetry instrumentation, and a missing health-check route

PROJECTS

Hospital Network Infrastructure

Signed-JWT internal gateway architecture with row-level security for a multi-tenant hospital platform.

NestJSFastAPIPostgreSQL (RLS)

- Designed the internal gateway-to-service trust boundary using signed JWTs rather than shared network trust
- Activated row-level security across every clinical router to isolate hospital-tenant data at the database layer

Demonstrates: designing tenant isolation and service trust boundaries, not just CRUD APIs

Nexus Fintech Data Layer

Multi-database, multi-service architecture spanning nine microservices.

NestJSFastAPINeonQdrantRedis

- Split data workloads across two Postgres databases plus a vector store, matched to each microservice's access pattern
- Resolved circular-import and instrumentation issues that only appeared once the full service graph was wired together

Demonstrates: architecting data infrastructure for a real multi-service system

SKILLS

Languages

TypeScriptPythonSQL

Architecture

MicroservicesAPI Gateway PatternRBACRow-Level Security

Signed JWT (service-to-service)

Backend

NestJSFastAPIDjangoNode.js

Databases

PostgreSQLMySQLQdrant (vector)Redis

Observability & Tools

OpenTelemetryGit/GitHubDockerRenderNeon

EDUCATION

B.Sc. Computer Science — Federal University Gusau

- Undergraduate coursework, 2021 – Present
- Introduction to Critical Infrastructure Protection (ICIP) — OPSWAT Academy, Jun 2026
- Cybersecurity (Beginner) — TechyJaunt, accredited by ACTD, Dec 2025 – Mar 2026
- Web Development Technology — Running Jack ICT Academy, Oct 2025
- AWS Cloud Practitioner Essentials — Amazon Web Services, in progress

SOFT SKILLS

Analytical ThinkingProblem SolvingFast LearnerTeam Collaboration

Clean Code PracticesAttention to Detail

LANGUAGES

English (Fluent)

Hausa (Native)