

NWANLOZIRI ISRAEL PAUL

Full-Stack Software Engineer

oladejoisreal274@gmail.com | 08050297719 | github.com/ZiRael-Code | linkedin.com/in/israel-nwaloziri | zirealtech.com

PROFESSIONAL SUMMARY

Full-Stack Software Engineer shipping production applications end to end across Java/Spring Boot, Python/FastAPI, Node.js on the backend, and React, Next.js, TypeScript on the frontend. Builds event-driven distributed systems independently, including real-time compliance and fraud-detection pipelines with Kafka/Apache Flink, external payment-switch integrations, and card lifecycle systems handling sensitive financial data with AES field-level encryption, alongside responsive frontend interfaces shipped from Figma design through deployment. Owns products end to end on AWS, from architecture through deployment and CI/CD.

CORE SKILLS

Backend: Java (Spring Boot), Python (FastAPI, Flask, Django), Node.js / Express

Frontend: React, Next.js, TypeScript, Tailwind CSS, HTML/CSS

Messaging & Streaming: Apache Kafka, Apache Flink

Databases: PostgreSQL, MongoDB, MySQL, Firebase

Cloud & DevOps: AWS (App Runner, ECR), Docker, CI/CD pipelines, Heroku, Render

System Design: Microservices, Event-Driven Architecture, API Security (OAuth, JWT), SOLID principles

Tooling: Git, Jira, Figma, Agile/Scrum

PROFESSIONAL EXPERIENCE

Backend Software Engineer, DuroNetworks (Hybrid)

March 2025 – Present

- Designed and shipped 6 production backend services for a payments-adjacent platform, spanning Java/Spring Boot, Python/FastAPI, and Node.js, including card lifecycle management, real-time fraud compliance, external payment-switch integration, and physical card personalisation.
- Built a real-time fraud compliance rule engine in Python/FastAPI, evaluating transactions against configurable rules for structuring and high-velocity flagging.
- Built a Compliance Entry service in Spring Boot using Kafka and Apache Flink with a fire-and-forget async pattern, processing 150+ transactions daily while eliminating blocking on the compliance path and enabling parallel evaluation as volume scales.
- Built a Card Management Service in Node.js handling card request, block, PIN change, and reporting workflows with AES field-level encryption, supporting up to 50 cards per batch request.
- Built a standardised middleware abstraction layer over an external national payment-switch API, unifying payload formats across internal services and cutting integration time for new consumers.
- Built a physical card personalisation service in Spring Boot (Javelin printer integration), handling card data transmission, magnetic stripe encoding, and print job management.
- Cut API response time about 35% through performance tuning; resolved a CI/CD pipeline issue causing unreliable releases.

Backend / Full-Stack Engineer, Freelance Contract (Remote, Part-time)

October 2025 – March 2026

- Built Boulote, a full-stack freelance marketplace using Spring Boot on the backend and Next.js/TypeScript/Tailwind CSS on the frontend, architected for a projected 10,000+ user base.
- Set up JWT authentication with token blacklisting for logout, filter and search endpoints, deliverable submission, milestone tracking, and payment method management.
- Ran a large-scale frontend restructure, extracting shared components, types, utilities, and services across 24+ pages for both professional and company user flows.
- Deployed to AWS App Runner via Docker and ECR after migrating off a broken Elastic Beanstalk setup.

Full-Stack Engineer, Chibuke and Enterprises (Remote)

Sept 2024 – March 2025

- Built Kappak, a vehicle e-commerce platform with a Python-based voice/text search backend (Whisper, Vosk, TextBlob) and WooCommerce/Shopify integrations for catalogue and product sync.
- Built Broast Global, a multi-organisation promotional website from Figma mockups with motion animations.

Full-Stack Engineer, Walls and Gates (On-Site)*July 2024 – January 2025*

- Shipped backend logic and data-driven views for Odiche Health, a Laravel hospital management app, alongside a multi-app Flutter suite (Patient, Doctor, Pharmacy, Hospital) connected to live APIs.

Backend Engineer, Amicable Links (Remote, Freelance)*2023*

- Received and delivered client backend projects on a freelance basis, building systems to each client's specification.

Backend Engineer, Bethel Nigeria*March 2022 – April 2023*

- Worked with a team to deliver a backend program for client-facing applications, integrating forms with a database used by tens of users daily and generating accurate reports for user management.

SELECTED PROJECTS

Compliance Engine — *Python/FastAPI, Kafka, Apache Flink, Redis, Docker*

- Real-time transaction compliance system with configurable fraud rules, processing 150+ transactions daily via event-driven Kafka/Flink pipelines. Built and deployed to production.

Card Management System (CMS) — *Node.js, AES Encryption, NIBSS APIs*

- Middleware for card lifecycle management (request, block, PIN change) with AES field-level encryption, supporting up to 50 cards per batch request. Deployed to production.

NIBSS Middleware Service — *Java/Spring Boot, REST, Payment-Switch Integration*

- Abstraction layer standardising payloads over an external national payment-switch API, unifying integration across internal services and cutting onboarding time for new consumers.

Javelin Printer Service — *Spring Boot, Serial Communication, Custom Encoding*

- Backend service handling physical debit card printing: card data transmission, magnetic stripe encoding, and print job management.

Boulote — *Spring Boot, Next.js, TypeScript, PostgreSQL, AWS App Runner, Docker*

- Full-stack freelance marketplace, live at boulote-frontend-554.vercel.app, architected for a projected 10,000+ user base. JWT auth with token blacklisting, milestone tracking, deliverable management, payment method handling, and a large-scale frontend restructure across 24+ pages.

Kappak — *Python, Tailwind CSS, jQuery, Whisper, Vosk, TextBlob*

- Vehicle e-commerce platform with a voice/text search assistant; NLP pipeline built with Whisper, Vosk, and TextBlob for real-time input handling. Live at [test URL placeholder].

Odiche Health — *PHP, Laravel, Blade*

- Hospital management web app with backend logic, dynamic views, and patient/medical data integration.

Broast Global — *HTML, CSS, JavaScript, Figma*

- Promotional web platform for multiple organisations built from Figma mockups with motion animations and a reusable multi-brand structure.

EDUCATION

Semicolon Africa — Software Engineering, intensive 1-year programme, US-accredited certificate *(2023 – 2024)***National Open University of Nigeria (NOUN)** — B.Sc. Computer Science *(2022 – 2025)*