

DAVID OBONYANO

SENIOR FULL-STACK ENGINEER

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Lagos, Nigeria

SUMMARY

Product-driven **Senior Full-Stack Engineer** with 4+ years of experience architecting end-to-end web solutions, with a proficiency in building real-time data streaming architectures (WebSockets), high-performance APIs, and cinematic user interfaces. I bridge the gap between robust backend systems and fluid frontend experiences to drive core business metrics.

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer Jan 2025 — Present Deluxe Store

- Leading the full-stack architectural transition to a modular **Next.js 15 & Node.js** microservices system.
- Optimized checkout APIs and database procedures, reducing transaction latency by **30%** and abandonment by **18%**.
- Implementing high-throughput data pipelines using **Python** for inventory forecasting and merchandising analytics.

Full-Stack Engineer Jan 2024 — Dec 2024 Yano Schools

- Architected a secure EdTech ecosystem handling **500+ daily active users** with a focus on data integrity and RBAC security.
- Engineered the automated grading backend using **PostgreSQL** triggers and customized stored procedures.
- Built a real-time notification engine using **Socket.io** and **Go** for high-concurrency event processing.

Full-Stack Engineer Jan 2024 — Dec 2024 BetOracle (Defunct)

EXPERTISE

Languages

Go (Golang)

Python

JavaScript (ES6+)

TypeScript

SQL

Full-Stack Architecture

Next.js 15

React 18

Node.js

FastAPI

PostgreSQL

Infrastructure & UX

Redis / Socket.io

Docker / CI-CD

Tailwind / GSAP

Framer Motion

Testing

Jest

Playwright

Go Testing

EDUCATION

B.Sc. Geology

Federal University of Petroleum Resources (FUPRE)

Graduated 2024

PROFESSIONAL TRAINING

Scalable Backend Engineering

Advanced patterns in Go/Python for high-concurrency systems.

- Engineered a real-time data ingestion portal using **Go (Golang)** to process sports data from multiple high-frequency APIs.
- Designed and implemented the full-stack "Odds Tracker" feature, maintaining **sub-200ms end-to-end latency** via WebSockets.
- Architected the Postgres database schema and caching layer (Redis) to support rapid concurrent market updates.

Junior Front End Dev NSDC (Nigeria Sugar Council)

May 2022 — Dec
2022

- Modernized the official government portal, resolving significant cross-browser legacy UI issues and enhancing accessibility.
- Maintained internal pricing data tools using PHP and MySQL, ensuring document security and data accuracy.

TECHNICAL PROJECTS

LogiStream SaaS (Logistic Dashboard)

GO · REDIS · NEXT.JS · MAPBOX GL

A real-time logistics monitoring platform tracks asset locations with sub-second latency. Implemented a Go-based backend for high-frequency GPS coordinate ingestions across 50+ vehicles.

BetOracle Predictive Engine

PYTHON · FASTAPI · REACT · D3.JS

Full-stack engine for win-probability analytics. Handled data modeling in Python/FastAPI and real-time visualization Core using optimized React and market graphs.

FixFinder Verification System

TENSORFLOW.JS · EXPRESS · MONGODB

Full-stack identity verification system. Built a biometric processing layer with Face API to authenticate providers, reducing alpha identity fraud by 95%.