OYESUNLE LEKAN
Backend Engineer

CONTACT

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PROFESSIONAL SUMMARY

Backend & Data Engineer focused on scalable, service-oriented systems and real-time data workflows. Experienced in architecting layered backend systems, designing clean relational data models, implementing transactional integrity, and building reliability-driven automation for production environments. Strong foundation in Python, Django, FastAPI, containerized deployments, and CI/CD-driven system delivery.

PROFESSIONAL EXPERIENCE

Backend & Data Engineer (Freelance Contract) _ December 2025 - Present
Developed real-time data engineering and automation pipelines integrating high-frequency API and WebSocket streams, implementing monitoring, conditional execution logic, caching strategies, retry mechanisms, and structured logging to enable resilient, high-throughput automated decision workflows with minimal event-processing delay.

ALX ProDev (Advanced Backend Engineering Program) _ June 2025 - February 2026
Built and deployed scalable backend systems and robust REST APIs with advanced ORM/SQL optimization, authentication and middleware design, event-driven workflows, background job scheduling, caching strategies, and Docker-based deployments with CI/CD integration.

Backend Developer Asian (Early-Stage startup) June - July 2025
Engineered automated data pipeline and machine learning model workflows for a crypto prediction system, utilizing AWS EC2 to enhance backend performance, improve overall system efficiency, and reduce memory usage by 70%.

Backend Developer — INSBRID (Early-Stage Startup) May - June 2025 (Saudi Arabia)
Designed and integrated REST APIs to manage vendors, drivers, customers, and end-to-end order lifecycle workflows within a logistics platform, improving delivery accuracy and operational efficiency.

Backend Development Intern — Don Clem Technology (UK) February – June 2025
Engineered secure, production-grade Django backend systems with RBAC-enforced REST APIs, optimized relational query performance, and test-driven implementations to ensure scalability and reliability.

KEY PROJECTS

ALX Project Nexus — E-Commerce Backend - Engineered a layered backend architecture centered on clear separation of concerns, secure authentication flows, transactional integrity, and scalability-oriented system design.

MindyBrows — Microservices Platform - Scalable booking and payment platform with automated onboarding and real-time WhatsApp/Telegram workflows, simplifying operations and reducing manual administrative workload by 60%.

BlockSigma - Real-time ML crypto forecasting system with integrated data engineering and automated prediction pipelines, built using FastAPI.

TechScape Blog - Developed a Django-based content platform with PostgreSQL and CKEditor5 for dynamic article publishing and content management.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL
Frameworks: Django, FastAPI
Architecture: System Design, Microservices, Layered Architecture, Caching, Event-Driven Systems
DevOps: Docker, CI/CD (GitHub Actions)
Automation: Event-Driven & Scheduled Automation, Python Scripting, Selenium, Playwright
Data Engineering: Real-Time Data Pipelines, API Aggregation, Data Ingestion, ML Workflow Integration
Databases: PostgreSQL, Relational Data Modeling, Query Optimization & Performance Tuning
Tools: Git, Linux, Shell

CERTIFICATIONS

ALX ProDev - Advanced Backend Engineering (June 2025 – February 2026)
Registered Computer Professional (GMCPN) - CPN, July 2025

EDUCATION

BSc Computer Science - Federal University of Abeokuta (2021–2025)