

OLAMILEKAN OYESUNLE

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 event-driven automation for production environments. Strong foundation in Python, Django, FastAPI, containerized deployments, and CI/CD-driven system delivery, with the ability to own frontend development (HTML, CSS, JavaScript) when needed.

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 – Django, PSQL, REST API**
Engineered a layered backend architecture centered on clear separation of concerns, secure authentication flows, transactional integrity, scalability-oriented system design with diagrams and with auto-generated API documentation via drf-spectacular (Swagger/OpenAPI).
- MindyBrows – Django, WhatsApp/Telegram API, Microservices, HTML/CSS/JS**
Scalable booking and class management platform built on microservice with automated onboarding and real-time messaging which cuts admin workload by 60%
- BlockSigma – ML Crypto Forecasting System – FASTAPI, AWS EC2, ML Pipelines**
Real-time crypto forecasting with integrated data engineering and automated ML prediction pipelines.
- TechScope Blog – Django, PSQL, CKEditor, HTML/CSS/JS**
Full-stack publishing platform featuring secure authentication & authorization, dynamic article management with rich text editing, user engagement (likes, bookmarks, sharing) & email support.
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- TECHNICAL SKILLS**
- Languages:** Python, JavaScript, SQL
- Frameworks:** Django, FastAPI
- Frontend:** HTML, CSS, JavaScript (responsive UI development)
- 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, drf-spectacular / Swagger
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- AWARDS** **Won 1st Place – Interswitch Beyond the Rails Hackathon | April 2026**
- CERTIFICATIONS** **ALX ProDev – Advanced Backend Engineering (June 2025 – February 2026)**
- Registered Computer Professional (GMCNP) – CPN, July 2025**
- EDUCATION** **BSc Computer Science – Federal University of Abeokuta (2025)**