

# Michael O. Ajayi

Backend Engineer · Node.js · TypeScript · NestJS · AWS · PostgreSQL · Event-Driven Systems

Lagos, Nigeria · Open to Contract / Remote (US and EU Timezones)

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## Summary

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Backend engineer with 5+ years building and stabilizing distributed systems across SaaS and fintech. I own production domains end-to-end: payments, subscriptions, and ledgers that must balance every time, plus API gateways, containerized microservices, and AWS event-driven pipelines. Focused on reliability, clean service boundaries, and systems that scale without fragile assumptions.

## Experience

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### Intense Group · Founding Backend Engineer

Apr 2026 – Present · Remote (UK)

- Established the backend architecture, database design, and engineering conventions for a greenfield platform, laying the foundation for a growing engineering team and a scalable service-oriented backend built with NestJS and PostgreSQL/Prisma
- Designed and implemented the platform's payments and subscription infrastructure, supporting recurring billing, plan lifecycle management, and reliable transactional workflows through third-party payment integrations
- Built an auditable transaction ledger and payout infrastructure, ensuring accurate financial reconciliation, traceability, and reliable money movement as transaction volume scales
- Developed core backend services powering commerce and platform operations, including secure authorization, server-side business logic, and intelligent matching workflows for marketplace interactions

### Mainstack · Backend Engineer, Platform

Feb 2025 – Mar 2026 · Remote (US)

- Built centralized API Gateway for all micro-frontends and services, standardizing OAuth (gRPC), routing, and service discovery: single controlled ingress point across the platform
- Designed AWS event-driven media pipeline (SNS/SQS/MediaConvert) with ABR/HLS via CloudFront: scalable multi-quality video delivery decoupled from the application layer
- Led domain extraction into standalone v4 microservice; defined service boundaries that decoupled business logic from the legacy API layer and enabled independent deployment
- Assumed sole ownership of LMS backend within a 4k+ file monolith; stabilized enrollment and billing flows, eliminating recurring production failures blocking feature development

### Motopay · Backend Engineer / Engineering Lead

Jun 2023 – Feb 2025 · Lagos

- Owned backend architecture for fintech platform combining payments, social interactions, and embedded e-commerce flows
- Designed and hardened transaction systems across peer-to-peer, merchant, and in-app flows: improving payment reliability and wallet consistency under concurrent operations
- Integrated secure payment providers with role-based safeguards and environment-aware configurations
- Designed MongoDB schemas and aggregation pipelines powering real-time activity feeds and merchant analytics

### Sujimoto · Backend Engineer (Founding Team)

Oct 2020 – Jul 2023 · Lagos

- Part of founding engineering team digitizing manual real estate operations into scalable internal platforms
- Built custom CRM using Laravel and MySQL powering end-to-end sales workflows and customer lifecycle tracking
- Implemented analytics dashboards enabling leadership to monitor conversion rates and operational performance
- Built backend systems that supported business growth without repeated architectural rewrites

### Jukiyo · Backend Engineer

Jul 2021 – Sep 2021 · Remote (UK)

- Built scalable Node.js services supporting real-time collaboration and user interaction for gaming community platform
- Optimized query structure and indexing strategies to reduce API latency and improve database performance during early product growth

## Education

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BSc Computer Science · Adekunle Ajasin University

2019

## Skills

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<b>Backend:</b>	Node.js, TypeScript, NestJS, Express, Laravel, REST, gRPC, Microservices
<b>Payments:</b>	Paystack, subscription & ledger systems, payout subaccounts, Circle, Customer.io
<b>Cloud &amp; Messaging:</b>	AWS (ECS, S3, CloudFront, MediaConvert), SNS, SQS, BullMQ, Redis
<b>Data:</b>	PostgreSQL, MongoDB (Aggregation, Indexing), MySQL, Prisma, Data Modeling
<b>Infra &amp; DevOps:</b>	Docker, CI/CD, IAM roles & policy config, RBAC, row-level security, structured logging, health probes