

AYOMIDE KAYODE ALAWODE

Backend Engineer | Full Stack Developer

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

PROFESSIONAL SUMMARY

Backend engineer with a specialization in API design, async systems, and zero-downtime production migrations. Built and shipped production software independently across Fintech, PropTech, and content platforms. Managed live broadcast transmission across 9 simultaneous channels under a 100% uptime mandate — the same fault-tolerance thinking that now shapes how I architect software.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL, Bash, C

Backend: Node.js, Express.js, Flask, FastAPI, Firebase Admin SDK, KnexJS

Frontend: React, Next.js, Tailwind CSS, Framer Motion

Databases: MongoDB (Mongoose), PostgreSQL, MySQL, Firebase Firestore

Infrastructure: GCP, Docker, GitHub Actions (CI/CD), Vercel, Render

Security: JWT, HTTP-only Cookies, RBAC, Firebase Session Cookies, Arcjet, XSS/CSRF mitigation

Testing: Vitest, Playwright

PROFESSIONAL EXPERIENCE

Frontend Developer | [EzyRent](#)

Feb 2026 – Present

Remote · Contract

- Delivered all 6 pages (Home, About, Landlord, Field Partner, Search, Property Detail) from Figma specs as the primary frontend engineer on a 3-person team, owning the majority of frontend delivery across the project timeline.
- Engineered the property listings feature: integrated an internal REST API serving both web and mobile clients, implemented 4 filter controls (property type, price range, bedrooms, amenities), and built sort functionality aligned to design specifications.
- Built the search page in approximately 4 days: split-view layout with a sticky filter bar, an interactive Leaflet map with custom property markers and Google Maps directions, a full-screen map toggle, and a committed search pattern to prevent race conditions on concurrent filter changes.
- Identified a data integrity issue via cross-stack analysis of API responses against Swagger docs — inconsistent casing in the propertyType field was causing filters to return empty results. Documented root cause and remediation steps in a structured team update, unblocking filter functionality and preventing incorrect map pins from reaching users.

Full Stack Engineer (Contract) | [The SMM Place](#)

Feb 2026 – Present

Lagos, Nigeria · Remote

- Executed a zero-downtime migration from Express/Vanilla JS to Next.js + TypeScript using the Strangler Fig pattern; replaced client-side Firestore rendering with ISR-backed Server Components, improving Lighthouse SEO score from near-zero to 97 and Performance from 74 to 88.
- Rebuilt auth with Firebase Session Cookies and server-side RBAC via Firebase Custom Claims; resolved a data integrity flaw caused by mutable display name identifiers used as Firestore query keys — designed and ran an idempotent backfill script migrating 9 documents to stable Firebase UIDs, 0 unmatched.

Independent Software Engineer | Self-Initiated Projects

Feb 2024 – Present

Remote

- Architected PocketFlow, a production-grade Fintech SaaS: migrated auth from Clerk to Firebase, achieving 40% faster initialization and 300KB+ bundle reduction; built a fault-tolerant CSV import engine with custom normalization across 10 currencies; designed an async MongoDB job queue for non-blocking data exports; implemented a Single Source of Truth data model, ensuring idempotency and 100% data accuracy.

- Delivered PulseChat, a real-time communication platform with a custom JWT auth layer using HTTP-only cookies (XSS/CSRF mitigation), WebSocket infrastructure on stateful Render services, Arcjet rate-limiting, and automated Cloudinary orphaned-asset purging.

Master Control Room Operator | [LN247 News/Media Agency](#)

Apr 2024 – Nov 2025

Ikeja, Lagos, Nigeria · On-site

- Monitored simultaneous transmission across 4–5 terrestrial channels and 4 live streaming platforms under a 100% uptime mandate; resolved 5–10 encoding and routing faults per shift across multi-platform systems.
- Executed sub-15-second failover responses during live broadcast outages — immediately pushing filler/ad loops on signal loss, maintaining viewer-side continuity until the production team restored the feed.

Web Developer | The SMM Place

Nov 2023 – Jan 2025

Lagos, Nigeria · Hybrid

- Built the agency's full-stack website from the ground up on a Node.js/Express stack; designed and deployed a role-based admin dashboard enabling authenticated editors to create and publish blog content securely; optimized core web performance, achieving a 30% improvement in page load speed.

Software Engineering Intern | Kujali Care

Feb 2024 – Jul 2024

Wales, United Kingdom · Remote

- Built intake form features for a carer-matching platform serving 300+ registered carers and ~500 families across the UK; collaborated with a lead engineer to deliver the feature end-to-end within a remote-first agile team of 5 using Python and JavaScript.

SELECTED PROJECTS

Demo Credit | Backend Engineering Assessment — Lendsqr, May 2026 | Node.js · TypeScript · KnexJS · MySQL · Express

- MVP wallet service API with atomic, row-locked financial transactions — deadlock-safe locking via ascending wallet ID order; PENDING → SUCCESS lifecycle so failed balance updates leave an auditable trail; Karma blacklist screening with a fail-closed design; 28 passing service-layer unit tests.

PocketFlow | Personal Finance SaaS | React · TypeScript · Node.js · MongoDB · Firebase

- Production Fintech SaaS with auth migration (40% faster init, 300KB+ bundle reduction), a fault-tolerant CSV import engine across 10 currencies, an async job queue for exports, and a Single Source of Truth data model ensuring 100% data accuracy.

The SMM Place | Brand Strategy Agency | Next.js · TypeScript · Firebase · Tailwind CSS v4

- Zero-downtime Strangler Fig migration from Express/Vanilla JS; ISR-backed Server Components for full SEO indexability; Firebase Session Cookies with server-side RBAC; two-tier Tailwind v4 design token system.

PulseChat | Real-Time Communication Engine | Node.js · TypeScript · WebSockets · JWT · Arcjet

- Custom JWT auth with HTTP-only cookies (XSS/CSRF mitigation); stateful WebSocket infrastructure; Arcjet rate-limiting and bot protection; automated Cloudinary orphaned-asset purging.

SickleSmart | Digital Health Platform | Python · Flask · BeautifulSoup · JavaScript

- ALX Africa capstone — digital health platform aggregating ~50 real-time medical resources from 5+ databases (CDC, MedlinePlus, NHLBI, KidsHealth, NIDDK) via Python web scraper. Still running in production.

PUBLICATIONS

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- "How I Migrated a Live Production Site from Express/Vanilla JS to Next.js" — [↗ Medium](#). Production walkthrough of the Strangler Fig pattern — zero downtime, zero deployment windows.
 - "When Git History Stops Representing Intent, Stop Fixing It" — [↗ Medium](#). A real-world walkthrough of why interactive rebase fails on entangled commits — and when cherry-pick is the right tool for reconstructing intent over preserving history.
 - "Never Use Display Names as Firestore Query Identifiers" — [↗ Medium](#). Data integrity walkthrough of the authorId migration and idempotent backfill script.

EDUCATION

Software Engineering Certification (Backend Specialization)

ALX Africa / Holberton School • May 2023 – July 2024 • Sponsored by the MasterCard Foundation

- A 12-month intensive programme covering low-level C programming, Python, Linux/Unix systems, and DevOps infrastructure. Backend specialization track: API design, systems architecture, and production engineering.

CERTIFICATIONS & TRAINING

Claude 101 — Anthropic, May 2026. Coursework covering Claude's capabilities, responsible AI development practices, and effective prompt engineering.

LEADERSHIP & VOLUNTEERING

Peer Learning Facilitator | OctoPrep Career Prep Programme

May 2026 – Present

- Lead weekly peer learning sessions for a cohort of engineers across Nigeria and Kenya, designing interactive session formats to make technical and career content more engaging and applicable.
- Facilitate structured discussions on engineering topics, resume building, and job search strategy as part of a structured career development programme.