OLAOLUWA VINCENT ADISA

Software Engineer | Full-Stack Engineer | AI Engineer | Technical Lead
Senior Software Engineer specializing in AI powered Systems

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PROFESSIONAL SUMMARY

Software Engineer with strong full-stack, backend, and AI engineering experience building, integrating, deploying, and maintaining production software systems across the public sector, fintech, edtech, and marketplace domains. Experienced in taking products from architecture and implementation through API development, third-party integrations, AI/LLM workflows, containerized deployment, and production delivery. Strong background across Go, TypeScript, PHP, NestJS, Laravel, React, Next.js, SvelteKit, PostgreSQL, and Docker, alongside AI systems involving language models, speech transcription, real-time voice, and image generation. Combines individual-contributor engineering with technical ownership and team leadership — has led development teams and directed an end-to-end product feature from planning through completion.

CORE COMPETENCIES

- Full-Stack Software Development
- Backend & API Engineering
- AI Application Engineering
- System Architecture & Design
- Database Architecture
- Authentication, Authorization & RBAC
- Payment Gateway Integration
- Third-Party & Real-Time Integrations
- Docker & Containerized Deployment
- Production Deployment & Infrastructure
- Technical Project Leadership
- Cross-Functional Team Coordination
- AI Model Integration & Cost Optimization

PROFESSIONAL EXPERIENCE

Software Engineer / AI Engineer — MsSuzie

January 2026 – Present · Full-time | AI-powered educational platform

- Built a concurrent Go backend (Chi router) for a multi-tenant AI tutoring system, coordinating an API gateway across four client interfaces — Student Kiosk, Tutor Portal, Super Admin Dashboard, and Public Landing Page — with Redis caching and Prometheus metrics instrumentation.
- Built an AI voice pipeline integrating OpenAI APIs and AWS Polly for real-time speech synthesis, powering interactive voice tutoring and lesson generation/regeneration workflows for student kiosks.
- Integrated and orchestrated multiple AI capabilities — language models, transcription, and image generation — into cohesive product workflows, selecting models per use case to balance capability, latency, and cost.
- Built headless-browser automation with Chromedp for report generation and integrated Stripe for automated subscription billing tiers.
- Analyzed AI usage and token consumption to identify and implement infrastructure/API cost-reduction opportunities.

Software Engineer / Full-Stack Developer — Cube Group

December 2024 – February 2026 · Full-time

- Deployed and directed the migration of four Dockerized production applications (Cubegroup, Cubehub, Icubewa, Alaresort) from containerized environments to shared hosting, reconfiguring each for compatibility, scalability, and performance.

Technical Project Manager & Lead Backend Engineer — Cync Pro · Services-marketplace platform

- Managed cross-functional development of Cync Pro's backend and web dashboards on Laravel, connecting service providers with clients.
- Architected a Paystack digital wallet (Dedicated Virtual Accounts) with automated ledger reconciliation, Pusher-based real-time chat/notifications, Cloudinary media management, and Spatie RBAC.

Technical Project Manager & Lead Backend Engineer — Cync Ride · Ride-hailing platform

- Managed cross-functional development of Cync Ride's backend, web dashboards, and a React Native driver app (CyncRide Captains) on Laravel.
- Architected the driver payout pipeline via Paystack, real-time dispatch and live tracking via Pusher/Redis, and Sanctum + Spatie RBAC authentication with Google OAuth across passenger, captain, and admin roles.

VARMS — Virtual Affidavit Management System · Federal High Court, Abuja

- Delivered a digital affidavit platform for the Federal High Court — built real-time video-call functionality with React.js and Video SDK, and designed back-end workflows with barcode/affidavit-code verification that reduced processing times and increased court revenue.

DREMS — Death Registry Management System · Nationwide death-records platform

- Engineered a nationwide death-records platform, integrating Paystack for certificate payments and optimizing LGA-to-national API workflows.

Project Manager — CueActor *(Side Gig)*

February 2026 – April 2026 · AI-powered casting & actor-collaboration platform

- Directed a cross-functional team of engineers, designers, and QA through the end-to-end design and delivery of CueActor, a NestJS microservices platform for script analysis, casting, and live auditions.
- Oversaw delivery of generative-AI features (Google Gemini + LangChain for automated script breakdown and cue extraction), passwordless WebAuthn/passkey authentication, and Agora RTC live audition streaming.
- Coordinated sprint planning and the technical roadmap, translating complex AI and real-time infrastructure requirements into shippable deliverables; platform shipped on a Next.js 16 frontend with a TipTap collaborative script editor and Stripe subscription billing.

Contract Software Engineer

January 2021 – August 2026

NursingWithLight — Backend Engineer · NestJS, Prisma, PostgreSQL, Redis, Socket.io, Resend, Expo Push

- Built and deployed a NestJS backend for a clinical healthcare e-learning platform — Prisma/PostgreSQL role hierarchies, Socket.io/Redis multi-device sync, Expo push notifications, and GitHub Actions CI/CD to a self-managed VPS.

MyPostUtme — Backend Developer (Jul 2025 – Aug 2025) · React.js, Laravel, Gemini AI

- Built a full-stack Post-JAMB computer-based testing system with real-time answer tracking and automated result evaluation; integrated Gemini AI to generate 500+ exam-style questions with explanations.
- Delivered a platform that generated ₦300k+ in revenue from 169 subscribers within its first month of launch.

LFG CON, Los Angeles — Software Engineer (Apr 2025 – Jun 2025) · NestJS, React.js, Prisma, Supabase, GCP Cloud Run

- Architected and deployed a secure NestJS/Prisma API for a tabletop-gaming convention platform, improving API response times by over 90% through targeted backend optimizations.

- Engineered an event-driven system handling 3,000+ concurrent requests with 99.9% uptime during the live event, deployed on Google Cloud Run with Docker.

Bookbox — Full-Stack Developer (Nov 2024 – Dec 2024) · Next.js, TypeScript, PocketBase, Docker

- Built a full-stack B2B e-commerce platform serving 10,000+ users, contributing to a 30% increase in sales through optimized filtering and checkout flows.
- Integrated Paystack for secure checkout and deployed the application on a Dockerized VPS for high availability.

The Stat Generator, Canada — Backend Developer (Jan 2024 – Mar 2024) · Node.js, Express.js, Stripe

- Built a RESTful API achieving a 40% reduction in average response times through database caching, processing 500+ secure Stripe transactions monthly with 99.9% uptime.

Kanpai E-Commerce — Full-Stack Developer (Jan 2023 – Apr 2023) · TypeScript, React.js, Express.js, Socket.io

- Developed a responsive frontend for a microservices-based e-commerce platform, reducing frontend load times by 30% through API optimization.

SELECTED INDEPENDENT PROJECTS

Wise Finance — Mobile Engineer · React Native, Expo, Tamagui, Drizzle ORM, SQLite

- Built an offline-first personal finance app with local SQLite storage and Drizzle ORM, enabling expense tracking without a cloud dependency.

Follow-Up System — Backend Engineer · Express, TypeScript, MongoDB, Winston

- Built a HIPAA-compliant medical audit and customer-engagement CRM with structured audit logging via Winston.

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, PHP, Python

Backend: NestJS (microservices), Laravel (Sanctum, Spatie RBAC), Express.js, Node.js, Gin (Go), Chi, Bun, TypeORM, Prisma, REST APIs

Frontend: React, Next.js, SvelteKit, Vue.js, Inertia.js, TipTap, Tailwind CSS, Vite, Framer Motion

Mobile: React Native, Expo, Tamagui, NativeWind, Drizzle ORM (offline-first/SQLite)

Databases & Data: PostgreSQL, MySQL, MongoDB, SQLite, Redis, Supabase, Firebase, PocketBase, PostGIS

Infrastructure & DevOps: Docker, Docker Compose, RabbitMQ, AWS (S3, SES, Polly), Google Cloud Platform, Cloud Run, Prometheus, CI/CD, Nginx, PM2, VPS, Linux, Git

Architecture & Security: Microservices, Service-Oriented Architecture, RBAC, WebAuthn/Passkeys, OAuth2, Authentication & Authorization, Token Management, API Design

AI Engineering: OpenAI APIs, Google Gemini, LangChain, AWS Polly, LLM Integration, AI Agents, Speech-to-Text, Real-Time Voice, Transcription, Image Generation, Model Selection, AI Cost Optimization

Integrations: Paystack (DVA), Stripe, Pusher, Socket.io, WebRTC, Video SDK, Cloudinary, Google Geolocation/Maps & OAuth | Methodologies: Agile, Scrum, Microservices, KYC Verification Workflows

PREVIOUS TECHNICAL EXPERIENCE (2017 – 2022)

Engineer/Technician, Spectranet & Data Entry Clerk, Health Link and Bridge Initiative

- Gained foundational experience in hardware diagnostics, system configuration, and network troubleshooting; diagnosed and repaired 13,000+ devices with a 94% success rate and configured 30+ Linux systems.
- Supported data entry and conversion for the implementation of Electronic Medical Records for the Nigeria Police Force.

PROFESSIONAL TRAININGS

- Meta — Front-End Development
- Health Link & Bridge Initiative — EMR Data Entry
- David Olatunji Leadership — Creativity & Innovation; Intrapreneurship

EDUCATION

Bachelor of Science, Educational Technology — University of Ilorin, Kwara State
2017 – 2022

National Diploma, Science Laboratory Technology — Kwara Polytechnic, Kwara State
2014 – 2016