

Kingsley Umenze

Full-Stack Software Engineer

kingsleyumenze@gmail.com | linkedin.com/in/kingsley-umenze | github.com/kensylee95 | Abuja, Nigeria

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 7+ years of experience (5+ in professional and contract roles) architecting and delivering scalable web and mobile products across fintech, real estate, and edtech. Proven ability to own the full software delivery lifecycle — from system design and API architecture to frontend implementation, cloud infrastructure, and production operations. Deep expertise in TypeScript/Node.js (NestJS), React/Next.js, Flutter, and PostgreSQL. Experienced in leading technical decision-making, mentoring engineers, and driving engineering quality in fast-moving product environments.

TECHNICAL EXPERTISE

Languages: TypeScript · JavaScript · Python · Dart

Frontend: React · Next.js · Flutter · Responsive UI

Backend: NestJS · Node.js · FastAPI · REST APIs · GraphQL

Databases: PostgreSQL · MongoDB · Firestore · Redis

Infrastructure: GCP · Docker · CI/CD · Render · Fly.io · Firebase

Architecture: Microservices · Event-Driven (RabbitMQ · WebSockets) · Clean Architecture

Practices: System Design · Code Review · Technical Leadership · SDLC · Agile · Figma

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer — Note.AI

Feb 2025 – Present | Remote

- Led architecture and implementation of core product features, designing NestJS microservices and Next.js frontends that serve thousands of daily active users.
- Drove a 25% reduction in API latency through systematic query optimisation, indexing strategies, and a targeted Redis caching layer — directly improving user-perceived performance.
- Owned cloud infrastructure on GCP: containerised services with Docker, established automated CI/CD pipelines, and reduced deployment lead time by over 40%.
- Acted as primary technical collaborator with AI engineering team, defining service contracts and integration patterns to embed ML capabilities into the product.
- Introduced code review standards and architecture documentation practices, improving engineering velocity and onboarding speed for new team members.

Full-Stack Software Engineer — Fidexpoint

2024 | Contract · Remote

- Designed and delivered end-to-end collateralised lending platform — covering loan origination, automated collateral valuation, repayment scheduling, and arrears management — from architecture through production launch.

- Built a real-time event-driven backend using NestJS and RabbitMQ; WebSocket integration enabled instant push notifications for transaction events and borrower alerts.
- Defined the infrastructure strategy: containerised the full stack with Docker and deployed to Fly.io with zero-downtime blue-green CI/CD pipelines.

Full-Stack Software Engineer — Pearcurve

2024 | Contract · Remote

- Delivered a production fintech application encompassing collateralised lending, KYC identity verification, and third-party payment gateway integrations.
- Modelled high-concurrency PostgreSQL schemas with row-level security policies, ensuring data isolation and auditability across multi-tenant financial records.
- Established Docker-based CI/CD workflows on Render, reducing release cycle time and eliminating manual deployment steps.

Full-Stack Software Engineer — Freelance / Self-Employed

Jan 2018 – Present | Remote

- Designed, architected, and shipped 8+ production applications for early-stage and growth-stage startups across fintech, real estate, and education verticals.
- Built a cross-platform construction project-tracking app in Flutter — with Firebase Auth, Firestore real-time sync, Cloud Functions, and analytics dashboards — deployed to iOS and Android.
- Provided clients with complete infrastructure ownership: cloud provisioning, CI/CD pipelines, Docker Compose environments, and post-launch runbooks for each engagement.
- Maintained long-term client relationships through clean, well-documented codebases and clear technical communication — resulting in repeat engagements and referrals.

SELECTED PROJECTS

SprayIt — Real-Time Gifting Platform *Next.js · Node.js · WebSockets · Stripe · PostgreSQL*

Architected and built a live digital gifting platform that replicates the Nigerian cultural tradition of spraying money at celebrations. Engineered a sub-second real-time event engine using WebSockets to handle concurrent gifters with guaranteed delivery, live leaderboard updates, and a Stripe-backed payment ledger. Designed for high concurrency from the ground up with PostgreSQL optimised for financial transaction integrity.

Construction Tracker — Mobile Application *Flutter · Firebase · Firestore · Cloud Functions*

Delivered a full-featured cross-platform mobile app for tracking construction project milestones. Includes real-time progress reporting, photo evidence uploads, role-based access control for contractors and project owners, and analytics dashboards. Deployed to iOS and Android via Firebase App Distribution with automated build pipelines.

EDUCATION & CERTIFICATIONS

AI Career Essentials

ALX Africa, Abuja, Nigeria | Nov 2024

Practical integration of AI tools and LLM APIs into software engineering workflows.

Software Engineering Track

3MTT Programme (FG Nigeria), Abuja, Nigeria | Sep 2024

Industry-standard engineering practices, scalable application development, and collaborative team delivery.

B.Eng. Civil Engineering

Federal University of Technology, Owerri, Imo State | Dec 2019