

Kelvin Ighodalo Omozokpia

SENIOR SOFTWARE ENGINEER · FINTECH · HEALTHTECH · AI

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Senior software engineer with seven years building systems that move money and hold data people cannot afford to have wrong — trade finance at Zenith Bank, cross-border payments at Equity Bank, investing at Chaka, lending at MyMoneyKarma, health plans and wallets at Reliance Health, and LLM orchestration at Lema. Three AWS associate certifications and an MBA. I also founded and still run Darkel Microsystems, which is where the leadership half of my experience comes from.

CORE SKILLS

LANGUAGES	TypeScript, JavaScript, Go, Python, PHP, SQL, Shell
FRONTEND	React, Next.js, Angular, Redux, RxJS, TailwindCSS, state architecture, accessibility, performance
BACKEND	Node.js (NestJS, Express), Go, REST, GraphQL, microservices, authentication & authorisation, third-party integration
CLOUD & DEVOPS	AWS (EC2, Lambda, S3, RDS, API Gateway, CloudFormation), Docker, Terraform, CI/CD (GitHub Actions, Jenkins, CodePipeline), Vercel
DATA	PostgreSQL, MySQL, MongoDB, DynamoDB, TypeORM, Sequelize, Mongoose, vector search
QUALITY	Jest, Cypress, CucumberJS (BDD), Puppeteer, code review, technical documentation

EXPERIENCE

Senior Software Engineer — Frontend Architecture & AI Integration · Lema AI DEC 2025 – PRESENT

Tel Aviv, Israel · Remote (via TechSavannah)

- Architect the client-side infrastructure for an early-stage AI platform, building real-time React/Next.js interfaces that render complex model output with no perceived latency for users spread across time zones.
- Engineer low-latency Go microservices that orchestrate data routing between large language models, external ML APIs and the frontend.

Senior Frontend Engineer — Architecture & Performance · Reliance Health APR 2024 – PRESENT

Lagos, Nigeria · concurrent with Lema AI

- Own the client-side architecture for Serenity (health plans) and Tranquillity (wallet) — products handling both medical and financial data at scale.
- Design React/Next.js application state that keeps financial transactions consistent, and define API contracts and data schemas with backend teams, optimising payloads for low-bandwidth conditions.
- Diagnose and clear critical platform defects, raising stability and reliability for a large user base including senior-citizen service tiers.

Senior Frontend Architect · MyMoneyKarma DEC 2021 – APR 2024 · 2 YRS 5 MOS

Telangana, India · Remote

- Spearheaded the frontend architecture for Karma Pro (CRM) and the Partners app, driving sales efficiency for internal teams handling in-house and partner loan requests.
- Built the commission rule engine — mapping cities to regions, configuring payout incentives, and processing partner commissions for loans within a defined period.
- Designed and implemented the company's first reliable regression testing pipeline (CucumberJS, Puppeteer) and brought QA engineers onto it.

Software Engineer · Chaka Technologies APR 2021 – DEC 2021 · 9 MOS

Lagos, Nigeria

- Key contributor taking SmartInvest from concept to public launch, designing the core authentication module (login, registration, profile management) around sensitive financial user data.

Software Engineer · Zenith Bank Plc OCT 2019 – MAR 2021 · 1 YR 6 MOS

Lagos, Nigeria

- Built Zenith Trade, a suite of trade-finance applications — Form A, Form M, Form Q, Form NCS, Form NXP, Export Levy, FX Management and Credit Automation — used across the bank.
- Designed and implemented the centralised Single Sign-On authentication module securing access for thousands of internal users.

Founder & Technical Lead · Darkel Microsystems

2016 – PRESENT

Lagos, Nigeria · Remote

- Founded and still run the consultancy: cloud architecture on AWS, CI/CD, and client delivery, with timelines, budgets and engineering quality on me.
- Led delivery of WB Exchange (crypto-to-fiat with naira payouts and BVN/ID verification), Xaracta (loan management), CarReminder Nigeria and Sabischolar's LMS — managing cross-functional teams throughout.

Co-founder & CTO · Cartinary

2023 – PRESENT

Lagos, Nigeria · Remote

- Co-founded the company and own its technical direction — platform architecture, payment rails and the build team behind an e-commerce logistics platform built for Nigerian SMEs.

CONTRACT ENGAGEMENTS

Fixed-scope work, taken on and delivered as agreed. The dates are the length of each engagement.

Backend Engineer (Contract) · Pharmarun

OCT 2025 – JAN 2026 · 4 MOS

Remote · three-month engagement

- Engaged for a critical infrastructure sprint to stabilise backend logistics services and support the new pharmacy portal, and extended the notification service so stakeholders learned of status changes in time to act on them.

Senior Frontend Engineer (Contract) · Vendease

JAN 2023 – APR 2023 · 4 MOS

Lagos, Nigeria · four-month rapid-delivery contract

- Delivered procurement dashboards for Africa's leading food procurement platform, enabling inventory tracking for enterprise clients; refactored legacy components and reviewed the wider team's pull requests.

Senior Fullstack Engineer (Contract) · Ricive

MAY 2022 – AUG 2022 · 4 MOS

Remote · quarterly engagement

- Built a merchant dashboard from inception to production inside three months, set up CI/CD and post-deployment performance tuning, and established the clean-code standards the junior engineers were trained on.

Software Engineer — Fintech & Payments · Equity Bank

JUL 2021 – JUL 2022 · 1 YR

Nairobi, Kenya · Remote (via Azenia)

- Built the SDK for Western Union remittances and integrated Thunes, expanding cross-border transfer capability for one of Africa's largest banking networks.
- Engineered the settlement layer for inter-subsidiary transfers, holding accuracy across multi-currency transactions.
- Replaced an app-wide component that rendered every bank in a country with Angular Material CDK virtual scroll, turning a visible stall on the send-money screen into an instant list.

MENTORING & SPEAKING

- **Decagon** — Senior Engineer Mentor, Node track (2022). Led 20+ engineers building Reward Your Teacher: classes, code reviews, refactoring sessions and one-to-one career guidance.
- **Talks** — “Why AI Needs Vectors” (Lagos MongoDB User Group); “Scaling the Team Behind the System”; “AI as a Competitive Advantage in Business” (Lagos Business School).

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03) · AWS Certified Developer – Associate · AWS Certified Cloud Practitioner (CLF-C02) · Building AI-Powered Search with MongoDB Vector Search · Microsoft Certified: Azure Data Fundamentals (DP-900) · Micro1 AI Certified Software Engineer · Cloud Developer Nanodegree (ALX-T / Udacity) · Google Africa Developer Scholarship

Every certificate: github.com/omozokelvin/certificates**EDUCATION****Master of Business Administration (MBA)** — Lagos Business School, Pan-Atlantic University

2023 – 2025

BSc Computer Science — Ambrose Alli University, Edo, Nigeria · Second Class Upper Division

2018

PUBLICATIONS

Internet of Things (IoT): Vision, Applications and Challenges · 3D Internet: concept, architecture, applications and challenges