

Charles Osuya

Senior Front-End Engineer

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PROFILE

Senior front-end engineer with **10+ years** building web products across fintech, health tech, education and recruitment. Specialises in **React/Next.js, Vue/Nuxt and TypeScript**, with experience delivering Go and Node.js services. Leads distributed teams and owns products from architecture through release, including Medix, a hospital and insurance-claims platform live in a Nigerian specialist hospital.

SELECTED PRODUCT

Medix / Founder / Product Engineer

2025 - Present | Hospital Management & HMO Claims Platform

- Designed and shipped a production EMR and billing platform covering inpatient and outpatient care, pharmacy, laboratory, imaging, dialysis and antenatal workflows, with real-time queues and dashboards for **9 staff roles**.
- Built an end-to-end HMO claims engine: payer API eligibility checks, per-line adjudication, tariffs, copays, exclusions and admission authorisations. Protected monthly claim batches with tamper-evident hashed snapshots.
- Delivered a **74,000-code ICD-10 catalogue** with ranked search, Paystack payments with gateway splits, and Redis-backed server-sent events. Built with Next.js, TypeScript and PostgreSQL/Prisma; deployed on Railway with migration-gated CI.

PROFESSIONAL EXPERIENCE

Turing / Team Lead

Sep 2025 - Present | Lagos, Nigeria (remote)

- Lead cross-functional teams delivering AI-enabled gym-management platforms for multiple clients, owning technical direction, delivery cadence and code quality.
- Architected offline-first product variants with browser-local persistence, eliminating backend infrastructure costs for early-stage deployments.
- Guide distributed teams through code reviews, mentoring and agile delivery; integrate AI automation into customer-facing dashboards.

Rima / Frontend Developer (Contract)

Mar 2025 - Aug 2025 | Lagos, Nigeria | AI Automation Solutions

- Built React, Vite and React Router dashboards for configuring and monitoring automated business processes.
- Partnered with AI specialists to turn complex automation workflows into accessible, user-friendly interfaces.

Arabius / Frontend Developer (Contract)

Jun 2024 - Oct 2024 | Riyadh, Saudi Arabia | AI Online Learning Platform

- Developed interactive course-delivery interfaces and student progress dashboards.
- Implemented adaptive learning experiences with content creators and AI specialists, personalising lessons around student learning patterns.

PROFESSIONAL EXPERIENCE / CONTINUED**UpRecruit / Senior Frontend Engineer**

Sep 2019 - May 2024 | Arizona, USA (remote) | AI Recruitment Platform

- Developed and maintained recruiter and candidate experiences with React, Next.js and TypeScript, including AI-driven candidate matching and automated screening.
- Implemented server-side rendering with Next.js to improve page-load speed and SEO performance.

Traction Apps / Senior Frontend Engineer & Team Lead

Jan 2017 - Mar 2019 | Lagos, Nigeria | FinTech

- Led a modular banking dashboard in Vue.js, TypeScript and Nuxt.js. Component architecture and code splitting delivered **45% faster average page loads** alongside a **30% rise in monthly active users**.
- Coordinated a cross-functional team of **5** to deliver a loan-application system ahead of schedule; mentoring improved team productivity by approximately **25%**.
- Introduced SSR/SSG on SEO-sensitive pages, increasing organic search traffic by **20%**; partnered with product and design to improve user satisfaction.

Demz Analytics / Frontend Developer

Jan 2015 - Dec 2016 | London, UK (remote)

- Rebuilt high-traffic web applications, reducing bounce rates by **35%** and increasing conversion by **18%**.
- Created a reusable component library and design system across **50+ pages**, cutting new-feature development time by **20%**.
- Built real-time enterprise dashboards and integrated payment and inventory APIs. Introduced automated testing and CI/CD, reducing production bugs by **40%** and supporting weekly zero-downtime releases.
- Onboarded and mentored **4 junior developers** and led weekly code reviews.

ADDITIONAL PROJECTS

Real-Time Chat Application: Go/WebSockets backend with a Vue.js frontend, Dockerised on AWS ECS; supported **3,000+ concurrent users at <200ms latency**.

Microservices Inventory Management: Event-driven inventory system using NestJS, Go, GraphQL and RabbitMQ.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Go, SQL, HTML5, CSS3.

Front end: React, Next.js (App Router), Redux, TanStack Query, React Router; Vue 2/3, Composition API, Nuxt.js, Pinia, Vuex, Vue Router; Tailwind CSS, shadcn/ui, Chakra UI, Framer Motion.

Back end & data: Node.js, NestJS, Express, Go services, REST, GraphQL, WebSockets, gRPC, Prisma, PostgreSQL, MySQL, MongoDB, Redis.

Delivery & quality: Docker, CI/CD (GitHub Actions, GitLab CI), AWS, Azure, Railway, Nginx, Kubernetes (basic); Jest, Cypress, Playwright, Vite, Webpack; accessibility, design systems, TDD, Agile/Scrum.

EDUCATION & CERTIFICATIONS

B.Sc. Computer Science | Bowen University, Nigeria | 2015

Certified React Developer - Coursera/Meta (2023)

Docker & Kubernetes Associate - Udacity (2022)

Agile Scrum Master - Scrum Alliance (2020)

Languages: English (fluent), Yoruba (native).