IAN WAWERU

Senior Software Engineer | React • TypeScript • React Native • Node.js • GraphQL

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PROFESSIONAL SUMMARY

Senior Software Engineer with 7 years of experience building production web and mobile applications with React, TypeScript, React Native, and Node.js. Founder and lead engineer of FaidaPOS, a point-of-sale and payments platform for retail businesses, with hands-on experience in transaction-heavy workflows, mobile-money payments, and data-rich reporting. Experienced in frontend architecture, performance optimization, reusable component systems, automated testing with Jest, React Testing Library, and Playwright, and production monitoring with Sentry and Datadog. Proven track record collaborating remotely with distributed teams across Africa, Europe, and the US.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS
Frontend & Mobile: React, React Native, Expo, responsive and cross-platform UI (iOS, Android, web)
Component Systems: Design systems, reusable component libraries, Storybook
Testing: Jest, React Testing Library, Playwright (unit, integration, and end-to-end)
Backend & APIs: Node.js, GraphQL, Apollo GraphQL, tRPC, REST
Data: PostgreSQL, Prisma, Supabase
Observability & Infrastructure: Sentry, Datadog, Docker, Ubuntu Linux, nginx, WireGuard, Git
Domain: Point-of-sale, payments (M-Pesa STK Push), multi-tenant SaaS, performance optimization

PROFESSIONAL EXPERIENCE

Founder & Lead Engineer | FaidaPOS | 2026 - Present

React Native / Expo, React, TypeScript, Node.js, tRPC, Prisma, PostgreSQL

- Designed and built a multi-tenant point-of-sale and inventory platform for retail businesses, covering sales, inventory, purchasing, payments, reporting, staff permissions, and multi-store workflows.
- Integrated **M-Pesa STK Push** mobile-money payments into checkout and customer-credit flows, including split payments.
- Built data-rich reporting dashboards (KPI cards, peak-hours heatmap, store and staff performance, refunds, transaction ledger).
- Defined the product's **design system** and converted complex desktop tables into responsive mobile card layouts across orders, inventory, purchasing, and customer screens.
- Architected mobile and backend data flows with offline-capable usage and synchronization; integrated POS hardware including thermal receipt printing.
- Built automated unit, integration, and end-to-end test coverage with **Jest**, **React Testing Library**, and **Playwright**.
- Deploy and operate production infrastructure on Ubuntu servers with nginx and WireGuard.

Mobile Engineer | Discovery Mountain | 2025 - 2026

React Native, GraphQL

- Optimized React Native rendering and application performance, reducing UI lag and improving runtime performance by **40%**.
- Designed responsive tablet and iPad experiences, adapting navigation and layouts for larger displays while maintaining consistent behavior across iOS and Android.
- Improved cross-platform UX and reliability for a production mobile application through focused performance and layout optimization.
- Wrote unit, component, and end-to-end tests with **Jest**, **React Testing Library**, and **Playwright**.

Founder / Full Stack Engineer | MyGymDash | 2024 - Present

Expo (Mobile & Web), Apollo GraphQL, Prisma, PostgreSQL, Supabase

- Designed and built a full-stack, multi-tenant SaaS gym management platform supporting memberships, bookings, training schedules, payments, and operational workflows.
- Implemented GraphQL APIs and data access with Apollo GraphQL, Prisma, and PostgreSQL, plus secure authentication and file storage using Supabase.

Senior Software Engineer | Aily Labs GmbH | 2021 - 2023

React Native, GraphQL, Datadog

- Led the rebuild of a React Native application into a **data-driven, multi-tenant SaaS platform**, reducing client onboarding time by **80%**.
- Implemented GraphQL-based data flows to reduce over-fetching and improve application performance across complex, data-heavy workflows.
- Wrote automated tests with **Jest**, **React Testing Library**, and **Playwright** across the platform.
- Used **Datadog** to monitor application performance and investigate production issues.
- Built and optimized cross-platform product experiences while collaborating with a globally distributed remote engineering and product team.

Front End Software Engineer | Quantrica | 2019 - 2020

- Refactored a legacy React application, improving page loading speed by **60%** while improving code clarity and maintainability.
- Optimized data visualizations and frontend data fetching, reducing API calls by **50%**.
- Built and maintained company-wide reusable UI components with **Storybook**, improving consistency and component reuse across products.
- Monitored and resolved production frontend errors using **Sentry**.