Kennedy Wambua

Software engineer: payments, business platforms and AI · Nairobi, Kenya

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SUMMARY

Software engineer with four years of experience building production web, mobile and backend systems for fintech, procurement, telecoms, construction and real estate. I focus on the parts that must be right: payments, ledgers, approvals and the data behind AI features.

EXPERIENCE

Founder & lead engineer · Mintfa

2026 – now

- Building payments infrastructure for African businesses: one API for collections and balances across payment rails, starting with M-Pesa. In development, tested end to end against the M-Pesa sandbox.
- Designed a double-entry ledger in integer minor units, with balance rules enforced by database constraints.
- Built idempotent APIs, an M-Pesa STK push connector with a recovery worker, and signed webhooks from a transactional outbox.
- Multi-tenant design with separate test and live modes per organisation, with ledger concurrency tests.

Founding software engineer · Hut Yangu

Mar 2026 – now

- Built the web app and the Expo (React Native) mobile app on a Supabase backend with row-level security on every table.
- Built search that understands plain-language queries, ranks results and widens the search when nothing matches.
- Built a Cloudinary video pipeline, in-app chat with read receipts on Supabase, and early MCP/WebMCP tools for AI assistants. Pre-launch.

Software engineer · Radi Digital

Feb 2024 – now

- Tija eProcurement: built the configurable approval engine, budget reservations, the licensing module, and the first Nia AI assistant (plain-English questions to SQL over allowlisted tables) with LangChain + Gemini inventory insights.
- Strukchad: mobile app performance and data-scoping work (React + Capacitor), the first Paystack subscription billing with HMAC-verified webhooks, and Lemonade mobile-money flows for wallets and rent.
- Osho Chemicals: custom Microsoft Dynamics 365 Business Central APIs integrated with a Node.js system over OAuth, with data sync.
- Stack: React, Next.js, TypeScript, NestJS, PostgreSQL, Prisma, Redis, Docker, Azure, GitHub Actions.

Software engineer · Airtel Kenya

Jun 2023 – Feb 2024

- Built internal enterprise web apps with React, TypeScript, ASP.NET and REST/SOAP integrations.
- Diagnosed production issues and supported UAT with QA, backend engineers and business teams.

Software engineer · Alternate Limited

Apr 2022 – Feb 2023

- Built document management, workflow automation and access control on SharePoint and C#/.NET.

SKILLS

Payments	M-Pesa (STK push, callbacks), Paystack, Lemonade, idempotency, double-entry ledgers, reconciliation
AI	LLM assistants over business data, text-to-SQL, LangChain, Gemini, MCP, AI coding agents
Backend	Node.js, NestJS, PostgreSQL, Prisma, Redis, BullMQ, Supabase, REST, GraphQL, webhooks
Frontend & mobile	React, Next.js, TypeScript, React Native (Expo), Capacitor, Tailwind
Platform	Docker, Cloudflare, Azure, GitHub Actions, Business Central (AL)

EDUCATION

BSc Computer Science, Maseno University, 2019 – 2023