

DANIEL MAINA WAWERU

Solution Builder | Systems Architect | Full-Stack & Mobile Engineer
Nakuru, Kenya · Remote | danielmainawaweru@gmail.com | linkedin.com/in/danielmaina
github.com/danmaina | Portfolio: danielmainawaweru.netlify.app

PROFILE

Solution builder and systems architect with 6+ years turning ideas into production platforms that businesses, clinicians, students and corporate teams use every day. I design systems end to end, from modular monoliths that reach market fast to microservices that scale, and lead delivery across every layer: Node.js and PHP backends, React and Next.js frontends, React Native apps, M-Pesa and Stripe payments, and grounded AI. Founder of NdunyuVendor (100+ active vendors). The platforms I built at Clinifix, WeMove and Kenoobi are live and in maintenance, so I'm available for a new role.

6+ years building production systems | **100+** vendors on NdunyuVendor | **1,500+** companies on the WeMove platform | **40%** faster API responses | **200+** developers mentored at Microverse

CORE EXPERTISE

Architecture: System design, microservices, modular monoliths, multi-tenant SaaS, AES-256, RBAC, HIPAA-aware

Backend: Node.js, Express.js, PHP (Laravel, pure PHP), Ruby on Rails, REST API design

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), Vue.js, Nuxt, Redux, Tailwind CSS

Mobile: React Native, Expo, App Store and Google Play releases

AI & LLM: RAG pipelines (pgvector), OpenAI, Anthropic Claude and Google Gemini APIs, prompt engineering

Data: PostgreSQL, MySQL, MongoDB, SQLite, Prisma, Redis, query optimisation

Payments: M-Pesa (Daraja API), Stripe, LemonSqueezy, banking APIs, Africa's Talking SMS

Cloud & DevOps: AWS (S3), Vercel, Cloudflare, Netlify, Render, Docker, Git & GitHub, CI/CD, Jest

Leadership: Technical leadership, code review, mentoring, Agile / Scrum

PROFESSIONAL EXPERIENCE

Lead Software Developer | Clinifix | Remote · Maintaining

Jan 2025 – Present

Healthcare technology platform connecting verified professionals with facilities across Kenya.

- Led end-to-end engineering: system architecture, API design, integrations and engineering standards.
- Designed a microservices architecture on Node.js and PHP for secure healthcare data processing.
- Built PHP services and high-throughput, low-latency REST APIs for core logic and healthcare integrations.
- Integrated M-Pesa Daraja and banking APIs, enabling secure digital payments and new revenue streams.
- Introduced AES-256 encryption and role-based access control to protect sensitive patient data.
- Cut time-to-feature by 30% with reusable React and React Native component libraries.
- Established code review, CI/CD and development standards, raising code quality and deploy frequency.
- Now maintaining the platform I built: support, fixes and incremental improvements.

Software Developer | Reaction Wellness Ltd (WeMove) | Remote · Maintaining

Dec 2025 – Present

Employee-wellness platform that gamifies walking and team step challenges for corporate clients.

- Built and launched the cross-platform React Native app on the App Store and Google Play, earning 4.5+ star ratings with zero critical bugs in the first 30 days.
- Developed two production web apps in React and Next.js supporting subscription-based corporate accounts.
- Implemented Stripe recurring subscriptions and in-app payments, enabling monetisation from launch.
- Designed scalable Node.js APIs and optimised PostgreSQL for reliability under peak load.
- Now maintaining the apps in production: bug fixes, performance work and iterative feature updates.

Full-Stack Developer | Lillup | Remote

Mar 2024 – Oct 2024

- Led core platform features, including leader dashboards, career tracking and an AI recommendation engine on the OpenAI API delivering personalised career insights.
- Partnered with the CTO on system architecture and the data pipelines feeding LLM features; built and documented the backend REST APIs.

Full-Stack Developer | Kenoobi Group | Remote · Maintaining

2020 – Present

- Built production applications for multiple clients with React, Node.js, Express, MongoDB, PHP/Laravel and SQL.
- Architected RESTful APIs and backend microservices handling thousands of concurrent requests.
- Introduced CI/CD pipelines and automated Jest test suites, improving API response times by 40% and reducing deployment errors.
- Now maintaining the client systems I delivered.

Technical Support Engineer | Microverse | Remote

2022 – 2024

- Mentored a global cohort of 200+ developers through structured code reviews, debugging sessions and architectural coaching.
- Guided JavaScript, React and Node.js projects, improving student project pass rates.

Junior Software Developer | Revobet | Remote

2022 – 2023

- Delivered 20+ platform features with Vue.js, Node.js and Express.js in agile delivery cycles.
- Resolved 18+ critical database bottlenecks and added automated backend tests, improving system reliability.

PRODUCTS & VENTURES

Founder & Lead Developer | NdunyuVendor

ndunyuvendor.com

Multi-tenant POS, inventory and eCommerce SaaS for 30+ business types, designed, built and operated from the ground up.

- Architected the platform on Next.js (TypeScript), PostgreSQL and Vercel, with fast, SEO-optimised server-rendered storefronts.
- Integrated Stripe and M-Pesa (Daraja) for local and international checkout, AWS S3 for media, and Cloudflare for DNS, DDoS protection and SSL.
- Run GitHub-based CI/CD with zero-downtime Vercel releases; scaled to 100+ active vendors within 6 months of launch.

Founder & Developer | ReviseMint

revisemint.com

Exam-prep SaaS helping nurses pass OET, IELTS and NCLEX, with every answer explained.

- Built an AI question pipeline grounded in course notes (RAG on Postgres + pgvector with Gemini) with human review before publishing, on Next.js with LemonSqueezy subscriptions.

Creator | PaySense

paysense-seven.vercel.app

- AI shop assistant that answers from a store's own documents and takes M-Pesa (STK push) or Stripe payments inside the chat, with prices always verified server-side.

CONSULTING

Consultant | KIFFWA Impact Dashboard

End-to-end delivery

- Designed, architected and delivered an impact dashboard for Kenya's water sector, tracking water sold, electricity supplied and CO₂ reduction over time.

Consultant | Credit Bank & NDSI

Build contributor

- Contributed to the build of Credit Bank's gamified Diaspora Champions campaign microsite and the Nairobi Declaration on Sustainable Insurance website.

EDUCATION

Diploma, Information Technology — Jomo Kenyatta University of Agriculture & Technology (JKUAT), Kenya

Full-Stack Web Development — Microverse (Remote)