

David Kimani

Full-stack engineer: operational systems, multi-tenant SaaS and production operations

Nairobi, Kenya | EAT (UTC+3)

david@davidkimani.dev | davidkimani.dev | github.com/kimani-dev | linkedin.com/in/davidkimani

Remote. Open to relocation; would need visa sponsorship to work on-site outside Kenya.

Summary

Full-stack engineer with seven years building and running production web applications, 27+ of them shipped across property, healthcare, regulated operations and online marketplaces. The work I am best at is operational software that has to stay up: scheduling, audit trails, payment allocation and reconciliation, multi-tenant SaaS, and the deployment and monitoring that keep it running. I take a system from the data model to production and stay responsible for it afterwards. Founder of Kimcard Technologies, a product engineering studio in Nairobi.

Experience

Founder and principal engineer

Kimcard Technologies | Nairobi, Kenya | 2026 - Present

- Built and run rentiQ, a live multi-tenant property management SaaS for Kenyan landlords. Lease charges become monthly invoices, and each payment is allocated to the oldest unpaid invoice first, under a row lock, into append-only allocation records.
- Designed the money rules so the books survive an audit: corrections are offsetting reversals rather than edits, overpayments are held as tenant credit, and receipts are numbered without gaps per organisation.
- Built the studio operations platform: invoicing in integer minor units with gapless numbering and withholding-tax tracking, recurring SLA billing that is safe to re-run, and monthly SLA reports computed from locked metrics.
- Built an incident pipeline that ingests signed events from uptime and error monitors, de-duplicates them by fingerprint, detects missed heartbeats and routes alerts around quiet hours, with PHP and JavaScript agents that client applications report through.
- Built a client portal with its own sign-in, separate from staff accounts, with every query scoped to the signed-in client by construction and approvals pinned to the exact version a client signed off.

Full-stack engineer, freelance and contract

Independent | Nairobi, Kenya (remote clients) | 2019 - 2026

- Shipped production web applications for businesses in property, healthcare, regulated operations and online marketplaces, owning each from the data model and API through to deployment.
- Replaced paper, spreadsheet and WhatsApp processes with systems of record that hold the audit trail, and integrated the services those businesses ran on: SMS through Africa's Talking, transactional email, and real-time updates over websockets.
- Shipped M-Pesa Daraja payment integrations in production for several clients.
- Ran the operations as well as the code: Docker images, CI/CD pipelines, and hosting on AWS and DigitalOcean.
- Contributed to Vuetify, the Vue component framework most of these applications are built on.

Projects

rentiQ

Multi-tenant property management SaaS for Kenyan landlords and agents. Live, in early access. The hard part was allocating every payment arrears-first into append-only records, with reversals instead of edits and gapless receipts per organisation.

Stack: Laravel, Inertia, Vue 3, Vuetify, MariaDB

Kimcard operations platform

The studio's internal CMS, CRM, invoicing system and client portal. The hard part was billing and SLA reporting that are safe to re-run, and an incident pipeline that turns monitor noise into one ticket per real problem.

Stack: Laravel, Inertia, Vue 3, Vuetify, MySQL

Regulatory operations platform

Training, site assessments and shift rostering for a national regulatory authority responsible for site assessments and mandatory workforce certification. Built through Kimcard Technologies and supported under SLA. The hard part was refusing a training booking whose people are rostered on, or whose instructor or room is taken, when training, site assessments and the roster each hold only part of who is free.

Stack: Laravel, Inertia, Vue 3, Vuetify

Skills

Systems: Multi-tenant SaaS, Payment allocation and reconciliation, M-Pesa Daraja integrations, Ledgers, invoicing and audit trails, Event ingestion, alerting and incident response, REST API design

Languages and frameworks: PHP, TypeScript, JavaScript, Laravel, Node.js, Vue 3, Nuxt, Inertia, Vuetify (contributor)

Data: PostgreSQL, MySQL, MariaDB

Operations: Docker, Kubernetes, CI/CD, GitHub Actions, AWS, DigitalOcean

Testing: Pest, PHPUnit, Vitest, Playwright

Languages

English, Swahili, German