

# John Mwaura

Full-Stack Developer

[mwaura.ke.john@gmail.com](mailto:mwaura.ke.john@gmail.com)

+254 705 062 319

[dev-john.vercel.app](https://dev-john.vercel.app)

[github.com/MarcusKE-dev](https://github.com/MarcusKE-dev)

[linkedin.com/in/john-mwaura-dev](https://linkedin.com/in/john-mwaura-dev)

Kenya

## PROFILE

I'm a full-stack developer from Kenya. Since 2023 I've been designing, building and deploying web applications and business systems for real businesses, from e-commerce and payments to automation, dashboards and civic tech. My main project is **UWAZI**, a public finance transparency platform that makes government spending easier to search, trace and question.

I like owning a project from the first idea all the way to launch, and then supporting it afterwards. I care about software that is reliable, secure and easy to maintain, and built around the people who use it. So far that is 25+ projects across retail, healthcare, hospitality, services and the public sector.

## EXPERIENCE

### Independent Full-Stack Developer

2023 – Present

Self-Employed · Kenya

I design, build and deploy web applications and business systems, and I handle everything from architecture and development to integrations, deployment and maintenance.

- Built and shipped full products for clients and for my own ventures, including UWAZI, business websites, automation tools and operational systems.
- Integrated M-Pesa Daraja, WhatsApp Cloud API, Supabase and PostgreSQL into live systems used by real customers.
- Delivered e-commerce, point-of-sale, document-generation and customer-automation tools for Kenyan businesses, from first idea through launch and support.
- Keep sharpening my skills through real production work in modern web development, databases, security, performance, DevOps and scalable system design.

## TECHNICAL SKILLS

|                  |                                                                                  |
|------------------|----------------------------------------------------------------------------------|
| Frontend         | React 18, Next.js 14, TypeScript, Tailwind CSS, Vite, Framer Motion, HTML5, CSS3 |
| Backend          | Node.js, Express, PostgreSQL, Supabase, Firebase, Prisma, Redis, tRPC, REST APIs |
| Integrations     | M-Pesa Daraja API, WhatsApp Cloud API, OpenAI API, Stripe, Zod validation        |
| Security & Auth  | JWT, OAuth, RBAC, RLS policies, rate limiting                                    |
| DevOps & Hosting | Vercel, Render, Cloudflare, Docker, GitHub Actions, Nginx, Linux, Cloudinary CDN |
| Production Tools | Sentry, PostHog, BullMQ, background jobs, caching                                |

## EDUCATION

### Self-taught Developer

Ongoing

I'm self-taught. I learned by building real things, and I'm still learning every day.

## SELECTED PROJECTS

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### UWAZI: Kenya Finance Transparency Platform

Civic Technology · React, TypeScript, Node.js, PostgreSQL, Supabase, Vercel

A public accountability platform that makes government expenditure searchable, traceable and easier to investigate. Citizens can explore financial records, submit cases and track investigation workflows from one dashboard.

[Live platform](#)

### Niks Digital Connections

E-Commerce · Next.js 14, TypeScript, Supabase, M-Pesa Daraja, Cloudinary

An online store for an electronics retailer with product management, inventory tracking, secure M-Pesa payments and order fulfilment.

[Live platform](#) | [GitHub](#)

### FlowBiz POS

Point of Sale · React, Firebase Firestore, Tailwind CSS, React Router

A point-of-sale system for tracking inventory, purchases, expenses and daily cashier activity, with WhatsApp reminders and PDF reports. It runs in production for a real retail business.

[Live demo](#) | [GitHub](#)

### ABC Docs

SaaS · React, TypeScript, Tailwind CSS, PDF generation

A business document generator for contracts, quotes, proposals, invoices, agreements and receipts, with automated templating and formatting.

[Live platform](#) | [GitHub](#)

### Karen West Natural Spring

Business Website · React, TypeScript, Supabase, Resend, SEO

A conversion-focused company website with local SEO, customer inquiry management and transactional emails.

[Live site](#) | [GitHub](#)

### Mboroti Healthcare Clinic

Healthcare Website · React, TypeScript, Tailwind CSS, Cloudflare

A clinic website that puts medical services, patient information and appointment booking online.

[Live website](#) | [GitHub](#)

### Dalo Plumbing Solutions

Business Website · Next.js, TypeScript, Tailwind CSS, Framer Motion, SEO

A fast, mobile-first website for a plumbing company, built around local SEO and easy contact for customers.

[Live website](#) | [GitHub](#)

### Focus List: Task, Time & AI

Mobile App · JavaScript, Capacitor (Android), Cloudflare Workers, Groq AI

A productivity app with tasks, a Pomodoro timer, focus sounds and an AI assistant, on web and Android.

[Web version](#) | [GitHub](#)

**Also built:** [ABC Systems](#), [Skinner's Restaurant](#), [Karen West Packaging & Branding](#), [Charles Upholstery Platform](#) and [Chatbot-KE](#). The full list is on my [projects page](#).