ISHIMWE Kenny Kelvin

Software & Hardware Engineer · Full-Stack Web & Mobile · Embedded Systems

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PROFILE

Software and hardware engineer based in Kigali, Rwanda. I build full-stack web and mobile products with TypeScript, React, Next.js, Node.js and PostgreSQL, and embedded prototypes with C/C++, ESP32, Arduino and STM32. I have shipped live products for clients, built the Rwanda Muslim Community platform in a team during a full-stack internship, and built multi-tenant, bilingual (English and Kinyarwanda) systems with extensive automated testing. Open to remote, hybrid and on-site roles.

EXPERIENCE

Full-Stack Developer Intern · Universal Bridge Limited 2026
rwandamuslim.org · Live

- Worked full-stack in the team that built the **RMC Digital Platform** (rwandamuslim.org), the live platform of the Rwanda Muslim Community: English, Kinyarwanda and Arabic, service requests, donations, member accounts and an AI assistant.

Full-Stack Developer (Freelance) · DENISE Textile Client project · Live
deniseshop.com · React, TypeScript, Tailwind, Express, Prisma, PostgreSQL, Twilio, Cloudinary

- Built and launched the live online shop and reservation platform for a Kigali curtain, fabric and traditional attire business.
- Storefront in 5 languages, MTN MoMo payments, delivery across Rwanda, order tracking, QR codes, and email, SMS and WhatsApp notifications.
- Admin dashboard with sales analytics for the shop team.

Full-Stack Developer (Freelance) · Catholic University of Rwanda Client project

- Full-stack work on CUR MIS, the university's management information system for students, academics, records and reports.

Contributor · NGA MIS (amashuri.com) Live
Express, TypeScript, React, MySQL

- Contributed full-stack features to the live school management system, which also provides single sign-on for the other NGA applications.

SELECTED PROJECTS

CoopManage Rwanda · flagship TypeScript · Node.js · PostgreSQL · Docker

- Management platform for Rwandan cooperatives: members, finance, stock, sales, meetings, documents and reports, fully bilingual in English and Kinyarwanda.
- Four-layer multi-tenant isolation enforced by the database; money stored as exact decimals with an append-only audit trail; offline resilience with idempotent writes; 1,384 automated tests.

RwaSport · Rwanda National Sports Platform rwasport.vercel.app

- Leagues, 20+ federations, live match center, school competitions and an AI assistant. React, Express, Prisma, PostgreSQL, realtime (Pusher/SSE), PWA, 3 languages.

Tembera: Visit Rwanda · Next.js 15, TypeScript
Map-aware tourism directory of ~500 places across Rwanda.

StockFlow · Next.js, PostgreSQL RLS, Drizzle
Multi-tenant stock management for small retailers.

REG SmartPower · Flutter, NestJS, OpenAPI
Companion app design for prepaid electricity customers.

Blood Donation Centre · Node.js, Mobile Money, Gemini
Donor, hospital and pharmacy platform with a live hospital map.

FEMS · Node.js microservices
Fire extinguisher management behind an API gateway.

Hardware: DrainSentinel & smart meters · ESP32, M-Bus, RS-485
ESP32 drain-blockage early warning; research into reading live REG meter data.

SKILLS

Languages	TypeScript, JavaScript, C, C++, Java, PHP, Dart, SQL
Frontend & mobile	React, Next.js, Vite, Tailwind CSS, Flutter, PWA
Backend & data	Node.js, Express, NestJS, Prisma, Drizzle, PostgreSQL, MySQL, MongoDB, REST APIs, microservices
Hardware	ESP32, Arduino, STM32, PlatformIO, sensors, M-Bus, RS-485, computer networking (Cisco)
Practices & tools	Automated testing, multi-tenancy, i18n, Docker, Git, GitHub Actions, Vercel, Linux

EDUCATION

New Generation Academy (NGA), Kigali
Software Engineering

AWARDS & LANGUAGES

Volleyball competition certificate
English, Kinyarwanda