

PROFILE · KIGALI, RWANDA

ISHIMWE Kenny Kelvin

Software & Hardware Engineer

ISHIMWE Kenny Kelvin (also known as **Kenny Kelvin**, GitHub **couper117**) is a software and hardware engineer based in **Kigali, Rwanda**. Kenny Kelvin builds full-stack web and mobile products with TypeScript, React, Next.js, Node.js and PostgreSQL, and embedded systems with C/C++, ESP32, Arduino and STM32. This work includes live products such as DENISE Textile (deniseshop.com), the Rwanda Muslim Community platform (rwandamuslim.org), work for the Catholic University of Rwanda, and the NGA school system at amashuri.com.

Name	ISHIMWE Kenny Kelvin
Role	Software & Hardware Engineer · Full-Stack · Embedded Systems
Location	Kigali, Rwanda · open to remote, hybrid and on-site work
Website	kenny-kelvin.vercel.app
GitHub	github.com/couper117
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FOCUS

Software and the hardware it runs on

ISHIMWE Kenny Kelvin designs and builds complete products, from the database to the screen, and from the sensor to the dashboard. The software work is mainly in TypeScript with React, Next.js, Node.js, Express, Prisma and PostgreSQL, with mobile apps in Flutter. The hardware work covers ESP32, Arduino and STM32 boards programmed in C and C++, plus research into how meters and devices communicate over M-Bus, RS-485 and PLC.

These products are built for the places they run: they work in English and Kinyarwanda, survive slow or missing connections, keep each organisation's data isolated, and are covered by automated tests.

EXPERIENCE

Work history

Full-Stack Developer Intern · Universal Bridge Limited

2026

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

Full-Stack Developer (Freelance) · DENISE Textile

Client project · live at deniseshop.com

Built and launched the online shop and reservation platform for a Kigali curtain, fabric and traditional attire business: 5 languages, MTN MoMo payments, delivery across Rwanda, SMS and WhatsApp notifications, and an admin dashboard.

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

Client project · CUR MIS

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

Contributor · NGA MIS

Live at amashuri.com · Express, TypeScript, React, MySQL

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

EDUCATION & ACHIEVEMENTS

Background

New Generation Academy (NGA), Kigali: Software Engineering.
Volleyball competition certificate. Languages: English, Kinyarwanda.

PROJECTS

Selected work

CoopManage Rwanda

Flagship · TypeScript, Node.js, PostgreSQL · github.com/couper117/coopmanage-rwanda

A management platform for Rwandan cooperatives covering members, finance, stock, sales, meetings, documents and reports, fully in English and Kinyarwanda. Multi-tenant isolation enforced by the database, exact money handling with an append-only audit trail, offline resilience, and 1,384 automated tests.

RwaSport: Rwanda National Sports Platform

React, Express, Prisma, PostgreSQL · rwasport.vercel.app

Leagues, 20+ federations, a live match center, school competitions and an AI assistant, in English, Kinyarwanda and French.

Tembera: Visit Rwanda

Next.js 15 · tembera-rwanda-lyart.vercel.app

Map-aware tourism directory of around 500 places across Rwanda.

StockFlow

Next.js, PostgreSQL row-level security

Multi-tenant stock management for small retailers.

REG SmartPower

Flutter, NestJS, OpenAPI

Companion app design for prepaid electricity customers.

Rwanda Blood Donation Centre

Node.js, Mobile Money, Gemini AI

Donor, hospital and pharmacy platform with a live hospital map.

FEMS

Node.js microservices · fire-tawny-mu.vercel.app

Fire extinguisher management behind an API gateway.

DrainSentinel & smart-meter research

ESP32, M-Bus, RS-485

An ESP32 drain-blockage early warning prototype, and research into reading live data from REG prepaid meters.

SKILLS

Tools and technologies

Software: TypeScript, JavaScript, React, Next.js, Node.js, Express, NestJS, Prisma, Drizzle, PostgreSQL, MySQL, MongoDB, Flutter, PHP, REST APIs, microservices, Docker, Git.
Hardware: C, C++, ESP32, Arduino, STM32, PlatformIO, sensors, M-Bus, RS-485, Cisco networking.

FIND KENNY KELVIN ONLINE

Links

Website	https://kenny-kelvin.vercel.app
GitHub	https://github.com/couper117
LinkedIn	https://www.linkedin.com/in/kennykelvin
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