Isaac Ishimwe

Software Engineer · Full-Stack & AI Products

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Kigali, Rwanda (UTC+2) · Remote

Software engineer who builds complete products end to end, from database to UI, with AI where it helps. I built and run **Urukari**, an AI property search with 2,400+ live listings from 36 agencies. BSc Software Engineering student (graduating 2027), shipping production software since 2025.

EXPERIENCE

Founder & Engineer · Urukari urukari.com — 2026 – Present

- Built an AI property search for Rwanda: people describe the home they want in plain words and get real, matching listings, in 22 languages.
- Serverless stack on Cloudflare Workers (Hono, D1, R2), streaming LLM chat, React 19 frontend. 85k lines of TypeScript, 68 test files.
- Grew to 2,400+ listings from 36 agencies with import pipelines and an agency portal that keeps listings fresh.

Co-Founder & Lead Engineer · Samalync (contract) — 2025 – 2026

- Delivered 5+ client apps with a small remote team, including an e-commerce platform with payments and a services directory with booking.

PROJECTS

Mboni: African film streaming mboni.lumina.rw — Python · Flask

- Streaming site with catalogue, cart and checkout. Self-hosted with automatic deploys, 59 tests.

Lumina: programming language lumina.rw — Rust · ★16

- Reactive language built from scratch: parser, type checker, runtime, language server, VS Code extension and a browser playground (WASM). 18k lines of Rust.

VoiceAgent: AI phone receptionist github — Python

- Answers live phone calls (Twilio + Gemini Live), books appointments into Google Calendar and hands off to a human when needed. 174 tests.

Lucas: voice desktop assistant github — Python

- Voice assistant that sees the screen and controls the computer through 31 action modules. 1,500+ tests.

SKILLS & EDUCATION

Main	TypeScript, React, Node.js, Next.js, SQL (PostgreSQL, SQLite)
Also	Python (FastAPI, Flask), Rust, PHP
AI	LLM tool calling, streaming chat, real-time voice, MCP
Infra	Cloudflare Workers, Docker, Linux, Nginx, CI/CD
Education	BSc Software Engineering, UNILAK, Kigali, expected 2027
Languages	English (fluent), Kinyarwanda (native), French (conversational)