

ISAACK MUCHOKI

Software Engineer | Backend Developer | UI/UX Enthusiast

isaackmuchoki55@gmail.com | +254 792 590 01 | Nairobi, Kenya

Portfolio: isaack.me | GitHub: github.com/kirrer-izo

PROFESSIONAL SUMMARY

Software Engineer and final-year Computer Science student at Kabarak University (graduating December 2026) with experience building, testing, and deploying full-stack web applications using PHP, Laravel, React, PostgreSQL, and MySQL. Experienced in secure authentication systems, CI/CD pipelines, RESTful architectures, analytics dashboards, and AI-powered applications.

TECHNICAL SKILLS

Languages: PHP, JavaScript, HTML, CSS, SQL, Java

Frameworks: Laravel, React, Bootstrap, Tailwind CSS, Inertia.js

Databases: PostgreSQL, MySQL, Supabase

DevOps & Tools: Docker, Git, GitHub, GitHub Actions, CI/CD, PHPUnit, Apache

Design & Documentation: Figma, Wireframing, Interactive Prototyping, UI Design, Technical Documentation, User Training Documentation

AI & Integrations: Gemini API, Google Books API, REST API Integration

CERTIFICATIONS

AWS AI Practitioner Challenge — Udacity (May 2026)

- Verified Certificate of Completion
- Foundations in AI, Machine Learning, and Cloud-based AI workflows

WORK EXPERIENCE

ICT Attaché | Kenya Medical Training College (KMTC) Headquarters, Nairobi | Apr 2026 – Jul 2026 (Expected)

- Provided ICT support services, troubleshooting hardware, software, network, and user-access issues across departments.
- Designed interactive Figma prototypes for the proposed ICT Inventory Management System and Enterprise Risk Management (ERM) Platform.
- Developed and maintained a web-based staff training and onboarding portal for the KMTC ERM Platform using HTML, CSS, Bootstrap, and JavaScript.

- Created user training materials and technical documentation for platform onboarding.
- Collaborated with ICT personnel and stakeholders to support system adoption and technology initiatives.

Software Engineering Intern | Konza Technopolis Development Authority | Jan 2026 – Apr 2026

- Built a full-stack web system using PHP and MySQL without frameworks.
- Configured network infrastructure for 200+ international delegates.
- Created high-fidelity Figma prototypes prior to implementation.

PROJECTS

KnowIsaack — Personal Portfolio & Admin Platform

GitHub: github.com/kirrer-izo/KnowIsaack | Live: isaack.me

- Designed and deployed a production-ready portfolio and administration platform.
- Implemented secure authentication, audit logging, rate limiting, and user analytics.
- Migrated from MySQL to Supabase PostgreSQL and deployed with Docker, Render, and CI/CD pipelines.

Sole Proprietor CRM — Backend Lead

GitHub: github.com/Btsolo/CRM-Team-Project

- Led backend architecture for a 3-developer team.
- Designed database architecture for 8+ interconnected modules.
- Reduced analytics query times from ~800ms to 15ms using caching.

Live Your Books — Final Year Project

GitHub: github.com/kirrer-izo/LiveYourBooks

- Built an AI-powered personal growth platform using React, Laravel, and Gemini API.
- Reduced dashboard queries by 66% through optimization.
- Implemented Docker deployment architecture and AI-powered mentor personas.

ACHIEVEMENTS

- 3rd Place — Konza Pamoja Staff Hackathon 2026 (KSh 20,000 Award).
- Network Infrastructure Lead — Global Conservation Tech & Drone Forum 2026.
- Maintains 39 public repositories and 450+ GitHub contributions in 2026.

EDUCATION

Bachelor of Science in Computer Science | Kabarak University

Aug 2022 – Dec 2026 (Expected)

REFEREES

Nicholas Karimi

Position: DevOps Team Lead

Organization: Konza Technopolis

Phone: 0710568014

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James Ng'ang'a

Position: DevOps Team

Organization: Konza Technopolis

Phone: 0797552442

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Joshua Kilaha

Position: ICT Officer

Organization: Kenya Medical Training College

Phone: 0790457258

Email: jkilaha@kmtc.ac.ke