

Sam Rasugu

Software Engineer

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📍 Nairobi, Kenya

WORK EXPERIENCE

C4DLab - University of Nairobi

12/2023 – Present | Nairobi, Kenya

Full Stack Engineer - Full-time (Hybrid)

- Led software and digital infrastructure at C4DLab, R&D lab of UoN's School of Computing & Informatics.
- Built internal tools and external portals aligned with stakeholder goals and scalability needs.
- Oversaw deployment, maintenance, and optimization of cloud-hosted applications and services.
- Delivered full-stack solutions (React, Next.js, Node.js, TypeScript, Flutter, AWS) focused on performance and UX.
- Deployed and maintained cloud-hosted apps, ensuring uptime and system reliability.

MONOS

04/2024 – 07/2025

Senior Software Engineer - Part-time (Remote)

Manchester, United Kingdom

- Led frontend development for **EHEA ECO**, a UK-based sustainability platform. Improved performance and accessibility using Next.js, Sanity.io, Tailwind CSS, and Framer Motion, boosting UX metrics by 25% and increasing user engagement.
- Engineered and launched core modules for self-guided Islamic education within the **MONOS App**, contributing to a sustained monthly base of 5,000+ premium users.
- Led the end-to-end development of **MONOS Mankind**, a digital campaign platform supporting global humanitarian efforts in poverty alleviation, food security, education, and emergency response.

Savannah Informatics Limited

06/2023 – 05/2024 | Nairobi, Kenya

Software Engineer - Full-time

- Contributed to **UoNAfyaApp360**, a mobile health app improving patient engagement and access to health records. Built Flutter features and integrated GraphQL and Firebase for real-time data and analytics.
- Built cross-platform features for **Be.Well**, a health insurance app supporting real-time benefit tracking, coverage management, and access to healthcare services across Kenya.
- Implemented and maintained **sghi_core**, a shared Flutter component library used across Savannah Informatics' mobile apps to streamline UI consistency and accelerate development.

RedBrumbies

05/2021 – 07/2023 | Nairobi, Kenya

Software Engineer - Full-time

- Contributed to the development of digital platforms like **Vitu Kwa Ground** and **Agrofi**, enabling civic engagement and agricultural access through reporting tools, analytics, mobile apps, and USSD-based services.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript, Python, Dart, SQL, Bash, HTML5, CSS3

Frameworks & Libraries

React.js, Next.js, Flutter, Node.js, React Native, Flask, Framer Motion, Sanity.io, Tailwind CSS

Databases

PostgreSQL, MySQL, MongoDB, Firebase

DevOps, Tools & Testing

Git, Docker, AWS, Pytest, Flutter Testing, Vercel, Linux, Postman, Figma

EDUCATION

University of Nairobi

Nairobi, Kenya

Bachelor of Science - Computer Science

CERTIFICATES

- AWS Certified Solutions Architect Associate — Issued February 2024 📄
- AWS Certified Cloud Practitioner — Issued October 2023 📄