Sam Rasugu

Software Engineer

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WORK EXPERIENCE

MONOS   04/2024 – present
Senior Software Engineer   Manchester, United Kingdom
- Contributed to the development of EHEA ECO, an interactive sustainability platform supporting ecological initiatives across homes in the UK. Worked on frontend features and performance improvements using Next.js, Framer Motion, Sanity.io, and Tailwind CSS to enhance user experience and accessibility.
- 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.
- 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.
- Built and optimized features for the Halal Directory, significantly improving global discoverability and access to Halal businesses through enhanced search functionality and user experience.

USAID   09/2023 – 11/2024 │ Nairobi, Kenya
Software Engineer
- Contributed to the end-to-end design and development of CPIMS, an open-source health platform aimed at delivering consistent, real-time national data to support evidence-based child protection initiatives.

Savannah Informatics Limited   06/2023 – 10/2024 │ Nairobi, Kenya
Software Engineer
- Collaborated on the design, development, and launch of UoNAfyaApp360, a mobile health platform aimed at improving patient engagement and access to personal health data.
- Supported the successful deployment of myCareHub, a digital health solution that enhances remote care delivery and health monitoring, contributing to increased user engagement during the pilot phase.
- Helped implement and maintain sghi_core, an open-source Flutter package providing reusable UI components and helper functions used across multiple mobile applications.

RedBrumbies   05/2021 – 07/2023 │ Nairobi, Kenya
Software Engineer
- Contributed to the development of Vitu Kwa Ground (VKG), a data and engagement platform designed to connect individuals, community groups, and local authorities through reporting tools and real-time analytics.
- Participated in building Agrofi, a mobile and USSD-based platform aimed at connecting over 20,000 farmers, lenders, and suppliers to improve access to agricultural services and financing.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, Python, SQL, HTML5, CSS3

Frameworks, Libraries & Technologies: React.js, Next.js, Flutter, Node.js, React Native, Flask, PostgreSQL, MySQL, Firebase, MongoDB, TailwindCSS, Figma, Linux, AWS

EDUCATION

University of Nairobi   Nairobi, Kenya
Bachelor of Science - Computer Science

CERTIFICATES

- AWS Certified Solutions Architect Associate
- AWS Certified Cloud Practitioner