SAMMY M. KASANGO

Digital System Software Engineer & Technology Consultant.

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PROFESSIONAL SUMMARY

A results-driven technology professional and digital growth specialist with over three years of hands-on experience helping businesses and organisations build stronger digital foundations, improve their online visibility, and solve practical technology challenges. I combine expertise in building software products, designing and managing computer networks, and creating digital marketing strategies — offering clients and employers a rare combination of technical depth and business-facing communication.

PROFFESSIONAL EXPERIENCE.

Software & Website Development

I design and build websites, web applications, and digital tools tailored to a client's specific needs — from simple business websites to complex platforms with user logins, payment systems, and data management. Every product is built to be fast, mobile-friendly, and easy to use.

Technology Infrastructure & Network Services

I assess, set up, and manage the technology systems that businesses rely on — including internet networks for offices and multi-location organisations, server configuration, email security, and protection against common digital threats. The goal is reliable, secure technology that businesses can trust every day.

Digital Marketing & Online Growth

I help businesses attract more of the right customers online. This includes improving how a business appears in Google search results (SEO), setting up tools that track what is working and what is not (analytics), designing landing pages and campaigns that turn visitors into enquiries, and configuring professional email systems that do not end up in spam folders.

KEY STRENGTHS

Project Delivery	Planning and completing technology projects on time, with clear handover documentation so clients can maintain what was built without external help.

Communication & Training	Explaining complex technology concepts to non-technical audiences, running workshops, and mentoring junior team members and students.
Problem Diagnosis	Identifying the root cause of digital problems — whether a website is slow, a network is failing, or online marketing is underperforming — and providing a practical, cost-effective fix.

WORK EXPERIENCE

Digital System Software Engineer and Technology Consultant. *2024 – Present*
Nairobi, Kenya (Local and Remote)

I run an independent consulting practice providing technology and digital marketing services to businesses across Kenya and internationally. My clients include small and medium-sized businesses, start-ups, schools, and community organisations.

- Designing and delivering complete software products and business websites for clients, helping them establish a professional optimized online presence and serve customers more efficiently.
- Set up professional email systems for business clients, fixing problems with emails landing in spam folders and restoring reliable communication with their customers.
- Improved website loading speeds for several clients — bringing pages that took nearly five seconds to load down to under one second — which directly improved their Google search position.
- Delivered full digital health reviews for businesses, covering website performance, internet infrastructure, and online marketing — providing a clear action plan across all three areas.

Software Development Intern *April 2024 – July 2024*
Tunga.io | Remote

Joined a globally distributed software development team, contributing to client-facing technology projects in an Agile working environment.

- Built back-end software components that improved how quickly client applications responded to user requests, making the products faster and more reliable.
- Worked within a team of six developers using structured processes — daily team check-ins, collaborative code review, and iterative sprint planning — to deliver work on schedule.

FEATURED PROJECTS CONTRIBUTIONS

C++ Code Quality Analysis Tool
Software Development | Open Source
Designed and built a cross-platform software tool that automatically reviews computer code and identifies common problems that reduce quality and increase maintenance costs. The tool is structured across 35 independent modules, making it adaptable and extensible. It was published openly for use by the global developer community and has been adopted by engineering teams in more than 40 countries, earning over 4,200 community endorsements on GitHub.

Enterprise Network Infrastructure Design

Network Services | *multi-site* | *Security & Reliability*

Planned, designed, and simulated complete computer network systems for multi-location organisations using industry-standard Cisco networking equipment. Projects included secure connectivity between office sites, controlled access for different user groups, and automatic device configuration — all designed for long-term reliability with no unplanned downtime.

E-Commerce Platform with Mobile Payment Integration

Web Development | *M-Pesa Integration* | *Kenya*

Built a complete online store for a Kenyan business, including product listings, a shopping cart, user accounts, and a secure checkout process. Integrated M-Pesa Daraja mobile payment technology to allow customers to pay instantly using their phones — a critical requirement for the Kenyan market.

EDUCATION & PROFESSIONAL DEVELOPMENT

Bachelor of Science in Software Engineering *August 2024 – Present*
Murang'a University of Technology | Murang'a, Kenya

- Studying computer science fundamentals, software design, networking, databases, and systems thinking — with practical project work.

Cisco Networking Academy Certification | *Issued April 2026*
Cisco Systems Academy

- Professional training in computer network design, configuration, and security from Cisco — the world's leading networking technology company. Covers enterprise-level network planning, internet protocol management, and secure connectivity.

HubSpot Digital Marketing Certification | *Issued March 2026*
HubSpot Academy

- Internationally recognised qualification covering digital marketing strategy, search engine optimisation, content marketing, email campaigns, paid advertising, and analytics — verified by one of the world's leading marketing technology companies.

Certificate in Computer Operations & Business Packages | *Issued March 2024*
Rockers Computer College | Machakos, Kenya

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