

George Sanaet Sankui

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📍 Nairobi, Kenya

🔗 Portfolio Website

🌐 LinkedIn Profile

🐙 GitHub Profile

👤 PROFILE

A curious builder of tech that actually works for humans not the other way around. With a toolbox full of logic and a dash of creativity, I design solutions that turn "Why is this so complicated?" into "Wait, it just works?" Specialize in bridging gaps: between ideas and execution, users and technology, coffee and code. Passionate about creating systems that are secure, accessible, and quietly brilliant, think "digital Swiss Army knife," but with fewer accidental finger cuts. When not untangling tech puzzles, I'm advocating for tools that empower everyone, because inclusivity isn't a feature, it's the whole point.

🌐 LANGUAGES

English

Kiswahili

👛 PROFESSIONAL EXPERIENCE

The Nairobi Hospital (TNH)

Attache, ICT Department

04/2025 – present | Nairobi, Kenya

Duties and responsibilities

1. Website Maintenance & Optimization

- Contributed to the redesign and ongoing update of The Nairobi Hospital's official website to improve performance, responsiveness, and accessibility.
- Enhanced user interface components and optimized web pages for faster load times and cross-device compatibility.
- Integrated dynamic health service information using modern frontend technologies (HTML5, CSS3, JavaScript, React).

2. Software Development & Internal Tools

- Designed and prototyped a lightweight internal ticketing system for reporting IT issues using JavaScript and React.
- Assisted in the development of a patient feedback web form integrated with backend systems for quality improvement.
- Participated in modifying in-house applications and hospital management tools to meet evolving operational needs.
- Wrote clean, maintainable code following best practices, with proper version control (Git) and documentation.

3. System Support & IT Operations

- Assisted in troubleshooting hardware, software, and networking issues across hospital departments, ensuring minimal downtime for critical systems.
- Supported deployment and updating of hospital-wide enterprise applications, including Hospital Information Management System (HIMS) and inventory tools.

4. Collaboration & Technical Documentation

- Collaborated with the ICT infrastructure and applications teams to gather software requirements and implement features.
- Documented codebases, workflows, and user manuals for internal ICT tools to facilitate knowledge sharing and maintenance.
- Acted as a liaison between software development tasks and end-user support to ensure usability and functionality.

Kenya Ports Authority (KPA)

Attaché

05/2023 – 08/2023 | Nairobi, Kenya

Duties and responsibilities

1. Software Development & Maintenance

- **Custom Software Solutions:** Developed and enhanced applications to streamline port operations (i.e, cargo tracking and customs clearance platforms).

EDUCATION

Oracle Cloud Infrastructure Networking Professional

Oracle University

07/2025 – Present

A comprehensive professional course focused on mastering the art of designing and implementing robust networking architectures using Oracle Cloud Infrastructure (OCI). Key topics include Virtual Cloud Networks (VCN), OCI networking services, security protocols, and hybrid network connectivity.

Software Engineering Scholarship

Power Learn Project

07/2025 – Present

A competitive, fully-funded 16-week intensive program focused on practical software engineering principles, full-stack development, and collaborative project-based learning.

Bachelor of Science in Software Development

KCA University

2021 – 2025 | Nairobi, Kenya

Expected graduation 28 November 2025. (Completed coursework)

SKILLS

Soft skills

Communication, teamwork, time management.

Debugging & Testing

Identifying bugs, writing test cases, ensuring code reliability.

Programming Languages

Python, Java, JavaScript, C++, C#

Web Development (Frontend/Backend)

Building responsive interfaces, managing server-side logic, database integration.

Problem-Solving & Algorithms

Logical thinking, efficient coding, optimizing solutions.

- **Legacy System Modernization:** Assisted in migrating outdated systems to modern frameworks and updating databases.
- **Bug Fixes & Debugging:** Troubleshot issues in existing software to ensure minimal downtime in mission-critical systems.

2. Collaboration & Support

- **Cross-Departmental Coordination:** Worked with teams like finance division, corporate services division, operations division, and infrastructure division to gather requirements and ensure software met operational needs.
- **User Training & Support:** Provided technical support to staff using KPA's software tools and trained users on new features and systems

3. Port-Specific Systems

- **Port Management Systems :** Contributed to modules for real-time vessel tracking, container management, and cargo inventory systems.
- **Integration with External Systems:** Connected KPA's software with government platforms (i.e., Kenya Revenue Authority's iTax) and other international shipping APIs.
- **Security & Compliance:** Ensured systems complied with cybersecurity standards and data privacy regulations (i.e., GDPR for international cargo).

Key skills gained

- **Technical:** Full-stack development, API integration, database management.
- **Soft Skills:** Stakeholder communication, Agile workflows, problem-solving in high-stakes environments.

PROJECTS

Portfolio

04/2025 – 05/2025

A cyberpunk-themed, developer portfolio built with React, TypeScript, and Tailwind CSS. Features immersive UI, project archives, resume, skills, testimonials, blog, and a secure contact form.

Smart Campus

09/2024 – 04/2025

A modern, secure, network-based attendance system for educational institutions. Features QR code and network-based verification, real-time monitoring, and anti-fraud measures.

ORGANISATIONS

Naret Olosho Community-Based Organization (CBO)

Volunteer

2023 – present | Narok, Kenya

- **Community Engagement:** Actively participate in initiatives engaging local community members, including youth in villages like Empaash in Suswa Ward, to drive social awareness and development.
- **Advocacy Against Harmful Practices:** Support projects aimed at combating harmful practices such as female genital mutilation (FGM/C) by promoting women's empowerment and education.
- **Support for Vulnerable Groups:** Assist in programs designed to aid vulnerable populations—including the disabled, orphans, and the elderly—to improve community welfare.
- **Digital Outreach:** Contribute to the organization's social media efforts to disseminate information on community development and foster a collaborative local network.

REFERENCES

Immanuel Kituku,

ICT Officer - Infrastructure,

The Nairobi Hospital (TNH)

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Soitanae Kipino Kaleke,

Programs Officer, Naret Olosho CBO

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Brian Rono, Supervisor,

Kenya Ports Authority (KPA)

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CERTIFICATES

IBM SkillsBuild Cybersecurity Professional Certificate

IBM SkillsBuild | Issued July 2025

A comprehensive professional certificate demonstrating advanced, career-ready skills in security posture evaluation, vulnerability assessment, network architecture, cloud security, and incident reporting.