George Sanaet

Software Developer (Innovator)

✉ sanaetofficial@gmail.com

📞 +254 114487205

📍 Nairobi, Kenya

🔗 Portfolio Website

in LinkedIn Profile

⌕ GitHub Profile

🪪 PROFILE

Adaptable software developer with strong Python, Django, and frontend skills alongside robust backend development expertise. Developed an innovative QR Attendance System that ensures physical presence through network validation, eliminating proxy attendance. Created intuitive interfaces across user roles with focus on accessibility and security. Demonstrated problem-solving by designing a resilient system with automatic IP detection and real-time tracking. Committed to building inclusive digital solutions that enhance efficiency while addressing diverse user needs through collaborative, thoughtful development approaches.

🌐 LANGUAGES

English

Kiswahili

🎓 EDUCATION

Bachelor of Science in Software Development
KCA University
2021 – 2025 | Nairobi, Kenya
Expected graduation 28 November 2025. (Completed coursework)

💼 PROFESSIONAL EXPERIENCE

The Nairobi Hospital (TNH)
Attache, ICT Department
04/2025 – present | Nairobi, Kenya
<u>Duties and responsibilities</u>
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, React, and Supabase.
- 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 (HMIS) 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
<u>Duties and responsibilities</u>
1. Software Development & Maintenance
- **Custom Software Solutions**: Developed and enhanced applications to streamline port operations (i.e, cargo tracking and customs clearance platforms).

🧠 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.

🏠 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

Brian Rono, *Supervisor,*
Kenya Ports Authority (KPA)
brono@kpa.co.ke, +254 716579300

Soitanae Kipino Kaleke,
Program Officer, Naret Olosho CBO
soitanaekipinokaleke@gmail.com,
+254 799381605

Immanuel Kituku,
ICT Officer - Infrastructure,
The Nairobi Hospital (TNH)
immanuelkituku@gmail.com, +254
703103690

📂 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.

🏅 CERTIFICATES

AWS Educate – Introduction to Generative AI ⤢
*Issued by Amazon Web Services Training and Certification
| May 15, 2025*
Gained a foundational understanding of generative
AI concepts, including foundation models and real-
world use cases. Successfully completed the course
and passed the post-assessment.

CERTIFICATE OF ATTENDANCE
Gained foundational exposure to core full-stack
technologies—HTML5, CSS3, JavaScript, Node.js,
Express.js and React—by attending Edureka &
Vranda Enterprise's Full Stack Development
Internship Program demo session (8 May 2025).