

George Sanaet

Software Developer

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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.

Education

Bachelor of Science in Software Development, KCA University

2021 – 2025 | Nairobi, Kenya
Expected graduation 28 November 2025.

Kenya Certificate of Secondary Education (KCSE), Koelel Forces Academy

2017 – 2020 | Nakuru, Kenya

Languages

- English
- Kiswahili

Professional Experience

Attache, ICT Department, The Nairobi Hospital (TNH)

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, 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 (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.

Attaché, Kenya Ports Authority

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).
- **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.

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.

References

Brian Rono, *Supervisor*,

Kenya Ports Authority

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Soitanae Kipino Kaleke,

Program Officer, Naret Olosho CBO

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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.