SOLOMON KANIARU

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Education

Mama Ngina University College   August 2022 - Present
BSc in Computer Science
Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Web Development

ALX-Africa   July 2023 - September 2024
Software Engineering
Relevant Coursework: Python, Bash, Regular expressions

Technical Experience

Junior Software Developer Intern   May 2024 - August 2025
SunPro Systems Ltd
- Collaborated with the Development team in migrating to .Net 8 ensuring compatibility to the modern packages and enhancing system stability.
- Contributed in the migration of the system's UI to Syncfusion Blazor, enabling the development of modern User interface enhancing user Experience.
- Engaged with real-world users to gather feedback, improving application usability.

Community Manager & Backend Developer   August 2025 - December 2025
MasterCraft Program(Cohort 3) - Space Ya Tech
- Led and co-managed a **multi-track technical learning community** (Software Engineering, Backend, Frontend, Android, Data, Cybersecurity, Product Design) over an **8-week program**.
- Participated as a **Backend Developer learner**, contributing to a real-world **MVP project (EduPay)**.
- Built and maintained backend features using **Python, Django, and Django REST Framework (DRF).**
- Designed and consumed **RESTful APIs**, enabling integration with frontend and mobile clients.

Projects

CliClean | *Python, Flask, Firebase, HTML, CSS, JavaScript, Arduino*
- Developed an IoT device for detecting bed wets and alerting Caregivers and Mothers, using ESP32 board
- Deployed the backend on Render, ensuring high availability and scalability.

Piggzy | *Python, Flask, Solidity, React, SqLite*
- Built a Web3 platform for time-locked savings using Solidity smart contracts.
- Deployed smart contracts on a testnet blockchain to validate functionality before production use.
- Implemented a React-based UI for seamless user Interaction.

CoLabs API | *Django, Python*
- Collaborating on an Open Source Project that is focusing on improving sharing and collaborations of Github Repositories among developers.

- Leveraged API development expertise to optimize efficiency and implement enhanced measures.
- Implemented Celery into the codebase to enable asynchronous sending of emails, booting system performance

Technical Skills

Programming Languages: *Python, C#, HTML, CSS, JavaScript,*
Technologies/Frameworks: *Git, Blazor, Django, Flask*
Developer Tools: *Visual Studio Code, MySQL, GitHub, Pycharm, Render*