Stephen Kioni Mwangi

@ mail@stephenmwangi.com | GitHub | in LinkedIn | Website | Nairobi, Kenya

WORK EXPERIENCE

Savannah Informatics Limited
Software Engineer

June 2022 - Present
Nairobi, Kenya

- Develop and design the backend of an Electronic Medical Records and Patient Engagement system called Slade Advantage *(Python, Django, Django Rest Framework, Kubernetes, GCP, Docker, RabbitMQ, Redis, Go, GraphQL)*
- Implemented and designed the company's SMS and USSD API gateway and integrated it with a major Kenyan telecommunications provider, reducing comms costs by $\approx 40\%$ *(Python, Django, Django Rest Framework, GCP, RabbitMQ, Redis)*
- Participated in re-platforming existing backend infrastructure from Google Cloud Run to use Google Kubernetes Engine which reduced the company's infrastructure cost by $\approx 55\%$
- Participated in client engagement and UX discovery
- Guided and coached new hires and interns

Savannah Informatics Limited
Software Engineer Intern

June 2021 - May 2022
Nairobi, Kenya

- Maintained and developed the Slade360 Electronic Data Interchange system *(Python, Django, DRF)*
- Provided Level 2 and Level 3 technical support

EDUCATION

University of Nairobi
BSc. Computer Science

September 2018 - September 2022
First Class Honours

Relevant coursework: Software Engineering, Distributed Systems, Data Structures and Algorithms, Design Thinking, Systems Analysis and Design, Artificial Intelligence, Machine Learning, Compiler Construction

OPEN SOURCE PROJECTS

Obsidian Spaced Repetition

April 2021 - Present

Spaced Repetition plugin written in TypeScript for the note-taking tool Obsidian. It has been downloaded over 300,000 times and translated into 10+ languages by a global community of users.

Elixir

December 2021 - May 2022

Elixir is a distributed electronic health records system written in Python/Django and JavaScript/Svelte.

SKILLS

PROGRAMMING

Python (Django, Django Rest Framework, Celery), Go, GraphQL, SQL, TypeScript, JavaScript, HTML/CSS, Rust

INFRASTRUCTURE

Kubernetes, GCP, Docker, PostgreSQL, Redis, RabbitMQ

OBSERVABILITY

Grafana, Telegraf, InfluxDB

CI/CD

Gitlab CI/CD, GitHub Workflows, Helm, Ansible

COLLABORATION

Git, Jira, Confluence