

# Stephen K. Mwangi

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## WORK EXPERIENCE

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### Savannah Informatics Limited

June 2022 - Present

#### Software Engineer

Nairobi, Kenya

- Develop and design the backend of an Electronic Medical Records and Patient Engagement system called Slade Advantage (*Python, Django, DRF, GCP, Docker*)
- 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, DRF, GCP, RabbitMQ, Redis*)
- Participate in client engagement and UX discovery
- Guide and coach new hires and interns

### Savannah Informatics Limited

June 2021 - May 2022

#### Software Engineer Intern

Nairobi, Kenya

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

## EDUCATION

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### University of Nairobi

September 2018 - September 2022

#### BSc. Computer Science

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

## PROJECTS

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### Obsidian Spaced Repetition

April 2021 - Present

Spaced Repetition plugin for Obsidian.md written in TypeScript. It's been downloaded over 250,000 times and translated into 8+ 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

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### PROGRAMMING

Python (Django, Django Rest Framework, Celery), SQL, TypeScript, JavaScript

### TECHNOLOGIES

GCP, Docker, PostgreSQL, Redis, RabbitMQ, Ansible