FIONA MURUGI BUNDI

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I am an enthusiastic software engineer who enjoys learning and solving problems.

EXPERIENCE

INTERNSHIP April –August 2023

Software engineer intern at Serianu limited

- Restful APi development with spring boot
- APi documentation with Swagger and Open Api
- Use of vault to store passwords
- API security using key Cloak. Authorization and Authentication, OAuth 2, JWT.
- Micro service architecture
- API logging and monitoring in sentry, exception handling and input validation

TRAINEE Feb – present 2024

Software engineer trainee at Africa to Silicon Valley (A2sv)

- Python programming
- Data structures and algorithms

PROJECTS

Slack Notification engine

STACK: Spring boot, React JS, PostgreSQL

The engine sends messages to slack through a webpage, and one configures the slack channel through the UI. The code is here

Insurance company API - microservice

STACK: Spring boot, MYSQL

The API is for getting data about certain hospitals and the premiums the policyholder will pay for getting health insurance. I learnt about swagger, for api documentation and writing clean code.

Document question and answer

STACK: node js, next js ,Lang chain js, Open AI

A web application that semantically searches your document and answer your questions. It uses an in-memory vector database to store vector embeddings. [Here](#) is the project:

VOLUNTEER

2023-PRESNT

Microsoft learn student ambassador

EDUCATION

2021 - 2025

BSc. Computer science, KENYATTA UNIVERSITY

SKILLS

Java

JavaScript

HTML

CSS

MySQL

PostgreSQL

Docker

Python

React

Spring boot

Express

Node JS

Git

GitHub Actions

Kubernetes and Azure Kubernetes service