FIONA MURUGI BUNDI

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I am enthusiastic software engineer.

EXPERIENCE

INTERNSHIP

Software engineer intern April-August 2023

- 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

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

Sentimental Analysis Project

STACK: Spring boot, Reddit Api, Africa's talking SMS API

The API works with Reddit API, Azure text analytics to analyze post on reddit regarding a certain topic. Then it sends a notification to managers phone using Africa stalking SMS API

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.

Mood Application

STACK: Next js, Prisma

It is a web application to track your mood [Here](#) is the 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

- React
- Spring boot
- Express
- Node JS
- Git
- GitHub Actions
- Kubernetes and Azure Kubernetes service