FIONA MURUGI BUNDI

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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,Role Based Access.
- Micro service architecture
- API logging and monitoring in sentry, exception handling and input validation
- Database Modeling ,working with databases like MYSQL and PostgreSQL.

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.

Chat bot
stack: React, Firebase

It is a chat forum project. Here is the project.

Movie app Frontend
stack: React, CSS

It is a web application for displaying movies from an external API. Here is the code.

Planet facts app

stack: React

It is a project that uses Wikipedia API to get Planets facts and display them on a web page. And deployed using GitHub Workflows. Here is the project:

Open-source contributions
1. **Fhir-web.** The work was to change the Creating of new Fhir resources to use Put instead of Post method. It also dealt with adjusting some tests and mocks using nock. Got to learn about mocking APIs.
2. **Express-Server.** Worked on the environment variables. Got to learn how to contribute to open source. Learned Git and GitHub concepts.
3. **Contour**. Updated the GitHub actions.

EDUCATION

BSc. Computer science**, KENYATTA UNIVERSITY**

SKILLS

- Java
- JavaScript
- HTML
- CSS
- MySQL
- PostgreSQL
- Docker
- JUnit

- React
- Spring boot
- Express
- Node JS
- Git
- GitHub Actions
- Mockito