Michael Ngige

SOFTWARE ENGINEER

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Career Objective

I have expertise in developing applications as a Full Stack developer. I am skilled in Flask, Fast Apis, Django, Python, JavaScript and React. I have a thorough understanding of REST APIs and SOAP APIs protocols. I am skilled at integrating and managing microservices with knowledge in Docker for deployment and containerization. Additionally, I possess a thorough understanding of Cassandra DB, PostgreSQL, Redis DB and MySQL database management systems. My expertise also includes working with messaging systems like RabbitMQ and Kafka and optimizing speed with Redis caching. In addition, I have experience in cloud computing platforms like Heroku, AWS EC2, and GCP.

Experience

Jan 2021– April 2024 - INTERN SOFTWARE DEVELOPER.

THE FRANCIUM SOURCES COMPANY.

● Projects handled:

   1. Francium Mpesa G2 – Francium payment System payment API to coordinate transaction of customers using their wallet (Flask RESTful APIs)

   2. Francium Sources User Interface System – A front end system to coordinate payments of customers working with a python Flask back-end design. (React with Oauth2 Authentication)

● Technologies used in projects: Python, and Flask for Micro services, React for web-based Applications, Rabbit MQ for Communication between micro services.

● Containerization: Docker Containers

● Cloud Hosting on AWS EC2 with GitHub CI/CD pipeline using docker files.

● Including: Google Map APIs.

● Database: MySQL and PostgreSQL, AWS Relational Databases.

● Servers: Apache, Heroku and AWS.

● AWS technologies: S3 bucket, load balancers, AWS far gate and AWS ECS

Responsibilities.

● Collaborate with a team in designing, implementing, and integrating with other software programs.

● Build a true Hybrid Cloud Docker-based strategy while demonstrating expertise in diverse cloud providers such as AWS, Azure, and GCP

● Manage AWS and Git pipeline. Deploy React and Flask applications to AWS.

● Engage in all aspects of software development cycle including designing, coding, documentation, testing, and deployment

● Deliver software solutions to customers in strict adherence to agile methodology.

● Perform Web app deployments to c-panel and cloud platforms (Heroku and AWS).

● Designing, developing, and deploying modular cloud-based systems to grow the seamless approach in your experience

● Identifying, analyzing, and resolving infrastructure vulnerabilities and application deployment issues.

Education

Sept 2023 – June 2024   Moringa School

Software Engineering

2013 – 2018   Moi University

Bachelor of Education (Arts)

2009 – 2012   Njenga Karume Secondary School

Kenya Certificate of Secondary Education

SKILLS

- Backend frameworks – Flask, Django, Nodejs
- Databases – Relational Databases (MySQL and PostgreSQL), NoSQL Cassandra DB
- APIs – REST APIs, SOAP APIs, Google maps APIs
- Project management tools – click up, Trello
- Caching – Redis
- Optimization – Caching, Code refactoring, Optimized Queries
- Messaging Systems – Kafka, RabbitMQ
- Git – GitHub, Gitlab
- Security – JWT, OAuth1 and OAuth2
- Frontend – JavaScript, React

REFEREES

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