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github.com/KaptaineCreative

Khalid Munassar

SOFTWARE ENGINEER

Objective

I'm a Software Engineer with a goal to provide solutions and implement strategies to ensure delivering the best possible product. I'm passionate about Machine learning and I believe that it helps us simplify complex problems. I strive for a mission that prioritizes measured technical analysis that gives the edge to the team and satisfies client requirements. I thrive in a collaborative environment that enables me to employ my skills to produce usable and sustainable software.

Experience

Software Engineer
June 2022 - Current

Optum — Remote

- Managed **ETL** services for data consumed from **Kafka clusters** which led to helping the team forecast potential lag.
- Maintained **100% successful** deployment to **Alpha** environment while running **microservices** for data domains that are consumed through **API** using **Swagger** or locally through **Cassandra** which reduced blocking live data availability
- Run containerized services in **Docker** to allow **Kafka Streams** testing in **UI** for data. This includes validation with **Grafana** payload after deployment in all environments.
- Investigated **Splunk** logs to resolve potential bugs that will make the **API** and **Pods** unstable which led to helping the team with streamlined deployment and **CICD** with Jenkins.
- Rigorously tested my **Java** code with **Groovy** test cases ensuring 100% pass upon merging to **Master** environment

Full Stack Developer Trainee
Feb 2022 - April 2022

Teksystems — Remote

- Learned main **Java** concepts in greater depth such as **Abstraction**, **Encapsulation**, **Inheritance**, and **Polymorphism**.
- Learned **Front-End** stack (**HTML**, **CSS**, **JS**) and implemented towards assignments and final project's Front-End.
- Learned **Springboot** framework for the **Back-End** and implemented **JPA** pages, **JSTL**, **Spring Security**, and **Validation** with binding results.
- Developed a Springboot **Full-Stack** Application that manages Parking Spots

Business and Data Analyst Intern
June 2021 - July 2021

US Bank Corp — Remote

- Worked on use cases provided by the Scrum Master as we discuss the strategies outlined by the Product Owner when building pipelines for **regression models** to improve the flow of mortgage databases at the Bank.
- Used **Power BI** to pull data from **Pearl** and build a model to predict the success rate for our ads campaigns.
- Consulted Data Scientists to prioritize using the **Einstein model** on Sprint reviews as we plan for the next 3 months.
- Run Algorithms on databases already pulled by our Mortgage Loan Officers and verify the usability of the data per the loans finalized before running campaigns.
- Employ **Jira** and **Agile** methodologies to build models effectively and efficiently for each studio and be able to present in.

Undergrad Researcher in Computer Science Dept
May 2021 - August 2021

Augsburg University — Remote

- Built a recommender system using **Machine Learning** techniques such as **Tf-Idf** that recommends activities for Augsburg University Students based on their major and other areas of interest.
- Used Python libraries such as **Pandas**, **Sci-kit** Learn and **Vectorizer** to parse the database which will assist with finding similarities between the activities mapped to the major students are studying.
- Sought feedback from my mentor regarding whether to use a **parallel search** from each activity recommended for students or to map out the database using **Cosine similarity.**

Education

B.S - Computer Science — **Expected - Fall '23**

Augsburg University — GPA: 3.87

Minneapolis, MN

Projects

Used Cars Price Prediction Model

Recommender System for Activities in College

Parking Management System

Accomplishments

- Dean's List Fall 2017 – Now
- Co-President of STEM Peer Mentoring at Augsburg University
- Awarded NSF and Marit-based scholarship due to exceeding academic achievement

Skills

Languages	Fluent in English, Arabic, Somali
Programming	Java, Python, SQL
Frameworks	Swagger, Grafana
Databases	MySQL
Methodologies	Agile, Scrum
Other	Docker, JWT, CICD