MUHAMMED ALI JOWHER

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EXPERIENCE

Full Stack Engineer

CVS Health

📅 Aug 2023 - Present   📍 New York, USA

- Managed and developed a UI enabling the discovery of medical and prescription data from various sources within our data pipeline, featuring user-friendly querying capabilities.
- Created a UI from scratch for a DAG utility tool, with the resulting DAGs stored in a GCS bucket.
- Designed a UI for document review, allowing users to upload PDFs, search using a DCN number, retrieve bounding box coordinates via API, and highlight relevant areas within the document.
- Developed a spike dashboard for business purposes, facilitating graphical trend analysis of procedure amounts with filtering options based on plan sponsor and patient information. for alerts

Mid-level Software Engineer

Target Corporation

📅 Sep 2022 - June 2023   📍 Remote, USA

- Developed Python client to interact with ETL tool
- Created a wrapper devops(Vela) plugin to interact with ETL tool using yaml files as config and published a docker image
- Implemented automated certificate renewal and alerting for application security
- Wrote ipynb scripts for Target's data compliance team to reprocess delete requests for different dates
- Implemented a way in Target's ETL tool to get the Kubernetes pod/job logs and console to the specific action logs
- Created Kibana dashboard for API debugging and Grafana dashboard for application health monitoring, integrating ShuttleIO for alerts
- Worked on Spring Boot multi-module Gradle project and wrote Groovy test cases

Software Engineer

Target Corporation

📅 July 2018 - Aug 2021   📍 Bangalore, Karnataka, India

- Worked as a full stack engineer to develop and add new features to Automation Portal which allows team of user to own end-to-end data pipeline and scheduling of workflows
- Developed web application for intake request form and created Jira tickets, automating the issue creation process
- Migrated ETL tool from JSP framework to ReactJS and ContextAPI, designing and implementing a major portion of new UI
- Automated archiving of logs from Oracle Database to Hive tables using Hadoop
- Built several API's using Java Spring Boot and wrote unit and integration tests for them
- Worked on maven microservices architecture projects and added unit tests in Junit
- Designed and implemented a web application using Java Spring and Hibernate for CRUD operations on tags

SKILLS

- **Languages** - JavaScript, Python, Java, R
- **Libraries/Frameworks** - ReactJs, ContextAPI, SpringBoot, Cypress, Kafka, JUnit, Pytest, numpy, pandas, scikit, opencv
- **Databases** - Oracle, Apache Hadoop Bigred, Postgres, Mongo DB
- **Tools** - GCP, GIT, Jenkins, Docker, Kubernetes, Grafana,Matlab, Maven, Gradle, Hive, npm/yarn, Kibana, Jira, Confluence

HONORS & AWARDS

- Secured first prize in all three rounds of a Hackathon attended by 200+ Target Corporation employees from India and Minneapolis. Developed a mobile app version of the ETL tool using PWA technology.
- Achieved the highest grade in Maths during the first semester of my Masters program.
- Received the Pyramid Monthly Award from Target for my significant contributions to UI features and enhancements
- Won first prize twice in team-level hack day competitions at Target Corporation
- Committed the second-highest number of lines of code to the ETL front-end Git repository at Target Corporation (80k+ lines)

EDUCATION

MS in Engineering Science, Data Science

University at Buffalo

📅 2021 – 2023

Post Graduate Program in Artificial Intelligence and Machine Learning

The University of Texas at Austin - Red McCombs School of Business

📅 2020 – 2021

B.Tech in Computer Science and Engineering

National Institute of Technology, Calicut

📅 2014-2018