Jaini Shah . Jarvis Consulting

A passionate learner, detail-oriented, responsible and committed engineer graduated with a Masters of Applied Computing degree from University of Windsor. Having experience and understanding of agile scrum methodology, willing to work beyond the comfort zone to achieve milestones and aim to apply the skills in dynamic business environment to find innovative solutions for complex problems.

Skills

Proficient: Python, RDBMS/SQL, Java, Agile/Scrum, Git

Competent: C/C++, Docker, PSQL, Google Cloud Platform, HTML/CSS

Familiar: Hadoop, Spark/Scala, Springboot, JavaScript, React JS

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_JainiShah

Linux Cluster Monitor [GitHub]: Implemented a Cluster Monitoring Agent on a remote CentOS machine. Executed a bash script to collect the hardware specifications of each node in a cluster and monitor resosurce usages every minute with the help of Crontab. The data is collected and stored to a PostgreSQL server which runs inside a docker container.

Core Java Apps [GitHub]:

- JDBC App: The JDBC application allows the data retrieval from a retail database for the customers and their orders using Java from RDBMS through JDBC. The application implements the CRUD(Create Read Update Delete) operations using Data Transfer Objects and Data Access Objects. The psql instnace was provisioned using docker container and the dependencies were managed through Maven.
- Grep App: Implemented a JavaGrep interface to function same as grep command in linux. The program was written with the help of IntelliJ which searches pattern recursively in a given directory and stores the matched lines to output file. For the efficient search through the directories and files, stream and lambda expression is used and slf4j to log messages. The Java grep app was packaged using maven and dockerized so that users can easily consume it.

Python Data Analytics [GitHub]: Analysed a company's transactional data, their customer's shopping behaviour and determined how the business can go about in designing thier marketing strategies. Python was used as the main language for analyzing data along with its libraries such as Pandas, Numpy, Matplotlib and SQLAlchemy. The work was done in Jupyter notebook and data was accessed from given CSV file or postgres database, which came from company's data warehouse. The notebook runs from a Jupyter server and results consisted of various plots describing monthly sales, orders placed, customer counts and most importantly Recency, Frequency and Monetary segmentation of customers.

Highlighted Projects

Electronic Health Record: Developed a web application to manage huge healthcare data across organizations using Springboot which reduced development time and increased efficiency of the application. Git helped for version control and Eclipse IDE for developing the site.

Employee InterLinker: Designed and developed a web application to bridge the gap between job seekers and employers using MEAN stack which helped in rapid method calls and stack implementation and reduced website loading time because of Node Js.

Professional Experiences

Data Engineer, Jarvis (Mar 2021 - present): Developed, analyzed and modified programming systems, including encoding, unit testing and debugging. Worked with a diverse array of large data sets and large scale data platforms. Followed agile methodologies and gitflow to develop java applications that run in docker containers. Contributed to code-review sessions and ensured that code quality aligns with business and project requirements.

Ecommerce Coordinator, Mosaic North America (Sep 2020 - Dec 2020): Gathered business requirements from the client, built and maintained business relationships. Analyzed information and configured ecommerce platform for building websites. Collaborated with the team and achieved success beyond the decided milestone.

Education

University of Windsor (Sep 2019 - Dec 2020), Master of Applied Computing, Computer Science

Gujarat Technological University (Sep 2015 - May 2019), Bachelor of Engineering, Information Technology

Miscellaneous

- Udemy Programming with python: For biginners (April 2020)
- Udemy Machine Learning Basics (April 2020)
- Indian Classical Dancer
- Basketball Player