Ahmad Salaymeh . Jarvis Consulting

I'm a recent graduate from Wilfrid Laurier University with a Bachelor of Science in Computer Science, looking to advance my career in data engineering. During my undergrad, I learned programming fundamentals through data structures and algorithm courses and obtained programming skills in languages such as Python and Java. Towards the end of my undergrad, I took courses in data engineering, such as data visualization. In which, I learned how to use Panda and matplotlib to process and handle data. Currently, I am working at Jarvis where I am improving my knowledge and skills in data engineering by implementing python data applications.

Skills

Proficient: Python, RDBMS/SQL, Pandas, Git, Java

Competent: Linux/Bash, JavaScript, Docker, HTML/CSS, Bootstrap

Familiar: Google Cloud Platform (GCP), Android Studio, XCode/Swift, VBA, C

Jarvis Projects

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

Cluster Monitor [GitHub]: Implemented a monitoring agent to allow the Linux Cluster Administration team to view, monitor, and obtain data on each node running in real-time. This program used bash scripts to get the information on the nodes and used crontab to obtain the current usage. These scripts can be used on different machines simultaneously. In addition, I have used docker to create a Postgresql database with the appropriate tables to store the information.

Core Java Apps [GitHub]:

- JDBC App: This was a simple application to demonstrate the Postgres JDBC driver's functionality when connecting to the stores data. It involved retrieving customer and order information using Data Access Object within Java from a generated PostgreSQL database and ensuring atomicity with each transaction.
- Grep App: This project is a Java implementation of the grep terminal command. It recursively examines all files in a directory for lines that match a user-supplied regular expression, then saves all of those lines to a file. The project contatied two verisons, one using pre-java 8 using collections and File IO APIs, and another using Java 8 capabilities including Java Paths, Streams, and Lambdas. The Java-8 version highlighted those features to work with JVM's heap size limits
- Twitter App: The Twitter Application leverages the Twitter REST API to perform CRUD operations via the command line on a user's Twitter account. Users can POST, READ, and DELETE tweets from the command line. This Java program uses HTTP Client to connect to the Twitter REST API. Maven is used to structure and install the application's dependencies. Spring boot is used to establish dependency injection with the help of the IoC container. Deployed on Docker Hub for simple distribution

Highlighted Projects

Climate Change Data Porject [GitHub]: Analyzed data from the Canadian government on melting ice caps in the northern region. This was achieved by using Python, Pandas, and NumPy.

Promodo Timer [GitHub]: A simple timer that follows the Pomodoro technique. Users can set their custom time for work and break. This application was developed using Javascript, HTML/CSS, and bootstrap.

Professional Experiences

Date Engineer, Jarvis (2022-present): I am currently implementing Data applications utilizing Python, Pandas, Flask, AZURE, PostgreSQL, and REST APIS. I participated in daily scrum meetings with the development team. It allowed us to communicate, problem-solve, and discuss our current goals for the day. I used Notion to track my daily tickets and sprint backlog.

Education

Wilfrid Laurier University (2017-2021), Bachelor of Science, Computer Science

Miscellaneous

- Fitness: weight lifting
- Reading Books: Sci-fi, fiction
- Creating Music and painting: House-music, abstract art
- casual gaming: racing games, FIFA, RPG