Osama Shahid . Jarvis Consulting

I graduated with a Bachelor's in Chemistry from McMaster University, but have always had a keen interest in technology. I worked as a junior Software Developer at Select Vantage shortly afterwards, creating python scripts and trading tool to be used in equity markets. I am currently finishing up my Master degree in Computer Science and have joined Jarvis alongside. Since then, I have been collaborating with my team members in an Agile/Scrum enviroment to create backend applications. With that, I have acquired and solidified my knowledge by working on multiple projects specifically with technologies such as Linux/Bash, RDMS/PostgresSQL, Dockers, Maven, etc. I am passionate about solving real-world problems and want to move forward in my career as a Software Developer.

Skills

Proficient: Java, Python, Linux/Bash, RDBMS/SQL, NoSQL/MongoDB, Agile/Scrum, Git

Competent: JavaScript, React, Nodejs, HTML/CSS, GitFlow, Docker

Familiar: GCP, C/C++, Neo4j, Maven, AWS

Jarvis Projects

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

Cluster Monitor [GitHub]: Implented a clustering monitoring program which automates the collects hardware and cpu usage information from the linux servers using Bash scripts and Crontab. The data was stored in a postgresSQL database that was initialized using Dockers. It was later than queried to perform analytics on overall usage and identify downtimes during high server usage. We utilzed Git as a version control tool and GitFlow branching strategy.

Core Java Apps [GitHub]:

- Twitter App: In-progress
- JDBC App: Implemented JDBC to connect to a postgres database and execute CRUD operation following the Data Access Object (DAO) design pattern.
- Grep App: Created application to mimic linux grep command and utilized stream APIs to optimize efficiency. This was packaged using Maven and was Dockerized by building an image and uploading to docker hub.

Highlighted Projects

Fifa Dashboard [GitHub]: Created dashboard to search for player and match statistics that can potentially be used for sports betting. The frontend applciation was built using React and the backend using Nodejs. The dataset was stored using a MySQL database hosted on AWS-RDS.

Social Media Application [GitHub]: The application allows user to login/signup, post threads and interact with other users using the app. This was created using React/Redux for the frontend and nodejs for the backend. Also utilizing Firebase for authenitcation and database storage.

Professional Experiences

Software Developer, Jarvis (2021-present): Worked in an Agile/Scrum enviroment to implement multiple projects using Linux/Bash, Java, Docker, SQL, etc. Conducted daily scrum meetings and bi-weekly retro meetings.

Software Developer, Select Vantage Inc. (2019-2020): Created python tools/programs to help retrieve live trading information. Utilized python modules for data processing and data analysis and implemented scripts to reduce time sorting data.

Research Assistant, McMaster University (2017 - 2019): Utilized python libraries for data analysis. Created and led team project regarding exploration of cholesterol embedded lipid systems in membranes studying lysis analytics. Publication: https://www.nature.com/articles/s41598-020-61561-7

Education

Univeristy of Pennsylvannia (2020-Present), Masters of Computer Science, School of Engineering and Applied Sciences - GPA: 3.7/4.0

McMaster University (2015-2019), Bachelors of Science, Chemistry and Chemical Biology - GPA: 3.5/4.0

Miscellaneous

- Soccer and Basketball
- Competitive gaming
- Radio Co-Host