Faiazur Rahman . Jarvis Consulting

Hi, my name is Faiazur Rahman and I am a Full Stack Software Engineer with over 1 year of professional experience in the field. I have a strong foundation in both frontend and backend development, having worked in both capacities during my time at Formify and Capgemini respectively. My 5-month internship as a Frontend Software Engineer gave me the opportunity to gain hands-on experience in developing web applications using HTML, CSS, JavaScript, and ReactJS. During my 7 months as a Full Time Backend Software Engineer, I helped maintain the overall health of our backend system using SQL queries in order to facilitate for data manipulation. Additionally I am fluent in Java, with excellent knowledge and skills in Data Structures and Algorithms. Apart from my technical expertise, I have excellent interpersonal skills that enable me to work well with diverse teams. I am a super motivated, business-oriented, people person with a passion for creative problem solving. As a critical thinker, I enjoy tackling complex problems and developing innovative solutions to them. I am excited about the prospect of working with like-minded people, who share my passion for software engineering. My ultimate goal is to provide expert and creative solutions to some of the world's most complex problems, making me an excellent fit for any Software Engineering position.

Skills

Proficient: Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git/Github

Competent: JavaScript/TypeScript, ReactJS, Spring/Springboot, Angular, Python

Familiar: Express, NodeJS, Cloud Computing, Pandas, PySpark

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_Siam63

Cluster Monitor [GitHub]: The purpose of this project was to develop an automated linux monitoring agent. The agent extracts various pieces of information in the user's system including but not limited to, the number of CPUs, CPU architecture, system speed in MHz, and so on. Our objective was to create two bash file scripts, one for host information adn another for host usage. The host info bash file retreives hardware specifications of the user's system, and the host usage bash file retreives the user's system's usage specifications. We then created a PostgreSQL database, in which we inserted all of the corresponding specifications into. We then verified the accuracy of the data by running a select statement in our PSQL database to verify the correct data were being show. This was done completely on a Docker container which created our database, in place of a Virtual Machine, since Docker is a lot more light-weight than a typical VM.

Core Java Apps [GitHub]:

- Twitter App: The purpose of this project is to develop a Java application that can post, delete and retreive / show tweets. The application makes use of the Twitter version 2.0 API and several libraries in order to parse objects to JSON and read from it.
- JDBC App: The purpose of this project was to create a Java application that uses the JDBC API to connect to and interact with a PSQL (PostgreSQL) database. We implemented simple CRUD operations such as Create, Read, Update and Delete, in order to facilitate for data manipulation in our PSQL database. Docker was used in order to create a docker container image which runs PSQL.
- Grep App: The purppose of this project was to recreate the Linux GREP command, which essentially helps users search for words (Strings) in a file / folder or any other directory. This was done completely in Java 8, and we made use of several lambda functions, different libraries like log4j, Scanner, Logger etc and many utility classes. The application was also Dockerized on Docker, and pushed online to the docker hub where we can view the images.

React Trading App [GitHub]: The purpose of this project is to implement a ReactJS front-end and back-end in order to hit endpoints to fetch (retreive) data from clients who have made several stock trades. The user can add their own stock purchase and it will be appended to a list which is then shown in the Dashboard component. There is also a Quotes component to show further details about the purchases of the stock, including the name, price etc. The backend was implemented using Express in order to make requests to an API depending on several endpoints. The data is then saved and stored in the application to ensure consistency.

Highlighted Projects

Techverse - Online E-Commerce Website [GitHub]: Collaborated with a team to design a fully functioning online e-commerce web application. This project allows users to browse through various products, add items to their cart, make

purchases, and receive billing and shipping information. This was designed using HTML, CSS, AngularJS, Apache HTTP Server, PHP, MySQL, and XAMPP

Movie Recommender [GitHub]: Designed and created a movie recommender which asks the user to rate several movies they have seen in the past, and recommends a movie they will likely enjoy based on the ratings. The application was created using ReactJS, HTML, CSS, JavaScript and Bootstrap.

Professional Experiences

A4 Software Engineer, Capgemini (2022): Worked in a diverse team with like-minded individuals to maintain the health of the backend system for one of the largest multinational insurance companies in the world. Implemented several SQL scripts to facilitate for data manipulation, making use of Python, CSV Libraries, Pandas, Stored Procedures, JIRA and Microsoft SQL. Successfully solved over 200 escalation tickets in SQL and JIRA, averaging 8-10 tickets per day.

Frontend Software Engineer Intern, Formify (2022): Contributed front-end expertise in HTML, CSS and JavaScript in order ot successfully redesign office-driven website to a modern gaming-driven website, drastically improving SEO and increasing number of site sessions by 20%.

Education

Toronto Metropolitan University (2017-2022), Bachelors of Science, Applied Mathematics and Computer Science (Honors) - Dean's List (2019 - 2022) - GPA: 3.0/4.33

Miscellaneous

- Fish Keeping
- Biking
- Avid Car and Watch Enthusiast
- Fishing