Manpreet Kaur . Jarvis Consulting

I recently graduated from Humber College where I completed a Post-Graduate Certificate in Information Technology Solutions. Prior to pursuing a career in information technology, I was able to gain work experience as an I.T. Process Consultant where I utilized my strengths and skillsets in service management. This professional experience empowered me to pursue a career in information technology solutions. As a result, my career path has led me to pursue an opportunity and work as an Associate Data Engineer at Jarvis Consulting. Additionally, when I'm not working, I am also passionate about music, building software and all things vegetarian food. I also love playing sports, especially volleyball which enables me to utilize my passion for social interactions and teamwork. Going forward, I aim to enhance my skills as IT professional and grow my network.

Skills

Proficient: Java, Bash, SQL, Agile/Scrum, SpringBoot, Hadoop, Git, HTML and Web services

Competent: Spark/Scala, Node.JS, C#,ASP.NET MVC, JSP, Servlets and Cloud (Amazon Web services)

Familiar: JavaScript, React, XML, CSS, Hibernate and EJB

Development Projects

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

- **Linux & SQL**: Developed Linux and SQL application that needed to record the hardware specifications of each node and monitor node resource usages in real-time . The collected data was stored in an RDBMS database. Data was used to generate some reports for future resource planning purposes and to use those scripts for future projects.

- **Core Java Apps**: Developed 3 Java applications under this project. i.e. Grep App, JDBC App and Twitter CLI App. *Grep Application* performs the functionality of grep command in Linux. It recursively searches all the files in a given directory and outputs all the lines that matches the regex pattern in a specified output file. *JDBC application* demonstrates the use of one of the most fundamental and frequently used Java libraries like JDBC by connecting with PostgreSQL and made amendments in the tables using CRUD operations. *Twitter CLI Application* allows users to post, delete and view tweets without having access to twitter on web browser or mobile application. Rather, user can perform these operations on tweets by sending GET and POST requests on several twitter REST API resource endpoints.

- **SpringBoot App**: Developed a new trading platform which uses 3-tier Architecture to replace the legacy system which is a monolithic application that is hard to scale and manage. It is a simulation trading application built using Java SpringBoot framework where traders can buy and sell the products. This application can be accessed by consuming REST API through web browser via swagger or by other open source applications like postman.

- **Hadoop:** Developed this project to analyze the data provided by 'World development Indicator' using Hive feature of Hadoop. I was able to connect with hive server via zeppelin notebook or also by CLI using beeline. Also, used Hadoop cluster of 3 nodes using GPC Dataproc which is managed by YARN.

- **Spark/Scala**: Completed Spark/Scala project that processes data using Apache Spark and Scala. There are two Zeppelin notebooks that perform data processing on Online Retail dataset using RDDs and Structured APIs. I used Spark/Scala to analyze retail dataset. Using this dataset, I performed basic analysis through questionnaire on this dataset using RDDs and Structured APIs.

- **Cloud & DevOps:** `In progress` Deploying my Springboot application over AWS cloud using its capabilities like Auto scaling, load balancers, Elastic beanstalk etc.

Professional Experiences

Associate Data Engineer @ Jarvis Consulting Group, Toronto (2018-Present)**:** Working as an Associate Data Engineer on projects including Core Java Applications, Hadoop, Spark and Cloud projects. Responsible for fulfilling project requirements at the discretion of the product owner through Agile team methodologies.

Senior Analyst @ HCL Technologies, Noida (2015-2017)**:** Worked as Senior Analyst to take the responsibility for closely monitoring critical priority incidents and followed the global Service Restoration Process Management by involving third party vendors. Also, Ensured that Impact Assessment of the changes is carried out keeping all possible impacts in

mind to stabilize the Business Systems. For example: Technical, Non-Technical, people, cost and risk management in operations providing solutions. Audited and maintained quality of incidents to meet customer satisfaction.

Web Developer Intern @ Ramy Infotech Pvt. Ltd., Noida (2014**):** Worked as a Web Developer Intern to implement few small front end modules for company's projects called Domestic Staffing System to help recruiters maximize efficiencies through Java Struts. Learned core concepts of Java and implemented basic frontend modules on HTML, CSS.

Education & Academic Projects

Humber College Institute of Technology & Advanced Learning: Post Graduate Certificate Major: Information Technology Solutions (2018-2019)

Guru Gobind Singh Indraprastha University: Bachelor of Technology, Computer Science Engineering (2011-2015)

- **Fintech Project - 2019:** Developed a web application that provides platform for both lenders and borrowers to connect and avail each others' services. Technologies used to implement backend that handles user requests were ASP.NET MVC using Entity framework and database as MySQL.

- **Insurance Claim Tracking System - 2019:** Developed a project that provides a portal for users to claim the damaged product that they bought. It has two modules Admin and User wherein admin has all functionalities to manage the products, user details and approved claims. Technologies used are: Backend- Java and front-end- HTML, CSS and bootstrap framework.

- **Deals Site - 2019:** Developed a website where a user can input the link of a product they want to track and get notifications when it goes on sale. Technology used to implement backend that handles user requests was Node.JS with Express framework and database as MangoDB using Mongoose.

Certificates & Awards & Activities

ITIL Service Transition (ITIL-ST) - AXELOS Global Best Practice (2018)

ITIL Foundation - AXELOS Global Best Practice (2016)