

James Li . Jarvis Consulting

If I had to describe myself succinctly, I would say that I am a detail-oriented, responsible, and committed engineer, with a get-it-done, on-time, and as best as possible spirit. I am team oriented, teachable, and a recent graduate from the University of Toronto with a Bachelor's degree in Computer Science. I am also a skilled Java Developer with experience creating Java application and I have the ability to implement and manage SQL database operations and data structures. On a more personal note, I enjoy traveling and playing outdoor sports such as golfing and snowboarding. In summary, I am looking for an opportunity to use my experiences and skills within the data engineering industry. ## Skills

Proficient: Java, Bash, SQL, Agile/Scrum, Git, Junit, MVC Design, REST APIs

Competent: Docker, Springboot, Hadoop, Spark/Scala, Multithreading, Mockito, Google Cloud Platform

Familiar: C, C++, Javascript, HTML, CSS, Salesforce

Development Projects

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

- **Cluster Monitor:** The Cluster Monitoring Solution is used to collect the hardware specifications of each node and monitor node resources usages. The data will be collected and stored in a RDBMS database.
- **Core Java Apps:** This project consist of three part
 - The Java Grep App is a text search application. The application can search for a text pattern recursively in a given directory, and output matched lines to a file.
 - The JDBC App is a data processing application which allows user to connect to PostgreSQL database and perform actions to the tables.
 - The Java Twitter App is an command line application that allows user to Create, Read and Delete Tweets. It connects to Twitter REST API using authentication tool OAuth and perform part of CRUD implementation.
- **SpringBoot App:** This Java application is an REST API designed for online stock trading simulation. The application allows a trader to sell and buy stock.
- **Hadoop:** The Hadoop project is a data analysis project performed using Spark through Zeppelin Notebook. The Hadoop cluster was hosted on Google Cloud.
- **Spark/Scala:** In-Progress
- **Cloud & DevOps:** Not started

Professional Experiences

Software Developer, Jarvis, Toronto (2019-Present): Completing a comprehensive training bootcamp on core BigData technologies by industry experts and working on projects that include Cloud, DevOps, Java, Hadoop/Spark. Engage with my scrum team in the capacity of scrum master to improve team cohesion and successfully pass team code reviews. Building Java micro-services using Core Java, Spring Framework and Java development tool.

Consultant, Delbridge Solutions, Vaugh (2017-2018): Successfully implemented Sales Performance Management (SPM) solution for clients to manage compensations. Designed and configured SPM solutions according to client requirements within tight deadlines. Gathered and analyzed client requirements in details and provided technical and strategical consultation on best practices. Provided ongoing support to the client throughout implementation and achieved high satisfaction level. Manage & foster strong ongoing client relationship & provide support to existing clients. ## Education & Academic Projects

University of Toronto (2013-2019), Honours Bachelor of Science with Distinction (B.Sc.), Computer Science

- **Course Scheduling Website:** Created a website with algorithms that generate conflict free course schedule based on user input. Coded front-end in HTML, CSS, JavaScript, JQuery, and Ajax; with back-end in Node.js server and SQLite database.
- **Face-tracking Cursor:** Created an app that allows users to control cursor using a webcam. Coded in Python with OpenCV & PyAutoGUI to calibrate face and track real-time nose position to move the cursor. Built a chrome extension that introduces new on-screen functions for better accessibility.
- **Social Network Server:** Developed a server for a social network using socket under Java. Implemented the similar functionalities as Instagram and supported multiple clients.

Certificates & Awards & Activities

- Graduated with Distinction
- CIE(Centre for International Experience) Award