

# Habib Mohamed . Jarvis Consulting

I am a University of Windsor graduate in Computer Science. I have worked in various positions as a developer working on front-end, data, and website development. I like to figure out solutions to challenging problems, and to come up with unorthodox means to implement stuff.

## Skills

**Proficient:** Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git, HTML/CSS, Docker

**Competent:** Python, C/C++/C#, Spring, JUnit, Flutter, PHP, JavaScript, Maven

**Familiar:** Subversion, Jenkins, Node.js, React.js, Eclipse

## Jarvis Projects

Project source code: [https://github.com/jarviscanada/jarvis\\_data\\_eng\\_HabibMohamed](https://github.com/jarviscanada/jarvis_data_eng_HabibMohamed)

**Cluster Monitor** [GitHub]: Utilizes Linux Bash, Postgresql, and Docker to build a monitoring agent that collects data on Linux machine specifications and performance in a cluster.

**Core Java Apps** [GitHub]:

- **Twitter App:** Incorporates Spring Boot, Maven, Docker, and leverages the Twitter API in order to deliver a command line interface to create, read, and delete tweets.
- **JDBC App:** Sets up data manipulation to a retail database using Java, Maven, Docker and Postgresql.
- **Grep App:** Pipelines information on a target directory for files and lines via Java 8 Streams, along with Docker and Maven, in order to find a given regular expression.

**Springboot App** [GitHub]: Demonstrates a trading system Proof of Concept for stock traders. Leverages Spring Boot, Maven, Docker, Postgresql, and the IEX API.

**Python Data Analytics** [GitHub]: Analyzes data incoming in sql files for marketing purposes using Docker, Python, Postgresql, and Jupyter Notebook.

**Hadoop** [GitHub]: To be implemented.

**Spark** [GitHub]: To be implemented

**Cloud/DevOps** [GitHub]: To be implemented

## Highlighted Projects

**TSVtoMySQL** [GitHub]: Takes in TSV/CSV files and inserts the data into an existing MySQL database.

**Department Wars** [GitHub]: A small interactive React.js app that plays around with the concept of Routes and Redux.

## Professional Experiences

**Data Engineer, Jarvis (2020-present):** Progressed through various projects and requirements using Java 8, Spring Boot, Linux, Git, Python, Docker, and other software.

**Research Assistant, Department of Computer Science, University of Windsor (2019-2020):** Manipulated gigabytes of data in TSV/CSV format into being inserted in MySQL databases using PHP, JavaScript, and HTML/CSS/Bootstrap.

**Teaching Assistant, University of Windsor (2017-2020):** Administered classes over 100 students by grading, evaluating, and tutoring on concepts such as Linux and Internet fundamentals.

**Lab Manager, University of Windsor (2019):** Orchestrated weekly lab sessions on game development in Unity and C#.

**Youth Green Co-op Student, Progressive Software International (2018):** Spearheaded the initiative to develop a mobile version of the web client. Utilized JavaScript, HTML/CSS, Bootstrap and SQL to get the job done.

**Web Manager, University of Windsor's Muslim Student Association (2017-2018):** Directed the UWMSA's website in showcasing daily and upcoming events using Wordpress. Incorporated widgets to automate some daily tasks, seeing a boost in traffic as a result.

## **Education**

**University of Windsor (2017-2020),** Bachelor of Science (Honors), Computer Science - Graduated with distinction - Dean's List (2018-2020)

## **Miscellaneous**

- Reading
- Playing sports
- Cryptocurrency