

# Joel Attalla . Jarvis Consulting

Recent BComm graduate with a major in Business Technology Management (BTM) and a minor in Economics from Ryerson University. My major integrated information and communication technology (ICT)-centred restructuring of core business principles, fostering a more innovative approach to these business strategies and, in turn, capitalizing on them. This involved a comprehensive study of core business disciplines and programming languages, such as SQL, Python, Javascript, R, and HTML. The four-year program concluded with a final project where I conducted a business case study consisting of numerous business issues that the company wishes to resolve using ICT and business solutions. Over the year-long project, I was required to develop and apply various IS solutions, diagrams, and models. My team and I used database, programming, security, and system designs to provide the client with the desired information systems (IS) solutions. My economics minor provided me with insight on quantitative economic analysis to implement for successful management decision making. With the background gained through my degree, coupled with the experience I have acquired with Jarvis Consulting, I anticipate learning more about various data analytics and software development techniques to expand my skills further and successfully secure a position as a Business Analyst/Business Systems Analyst/Data Analyst (BA/BSA/DA).

## Skills

**Proficient:** Data Analytics with SQL, Python, R, Excel, HTML/CSS, Linux/Bash Script, Git, Docker, Agile/Scrum, Google Cloud

**Competent:** Python, Javascript (Aperture, D3.js, CanvasJS), Statistics, Finance, Accounting

**Familiar:** Network Security, Software Security, Firewall Installation, Data Encryption, Web Development

## Jarvis Projects

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

**Cluster Monitor [GitHub]:** Grasped core business needs, drafted an architecture diagram, and proposed solutions for the company. Developed a monitoring system with integrated bash scripts and SQL queries to extract, store, and analyze data. The data is then processed across cluster nodes into a provisioned Postgres database.

**Python Data Analytics [In Progress] [GitHub]:** Designed and implemented a proof of concept (PoC) system to analyze customer shopping behaviour. Customer data was imported into a PSQL data warehouse, and data wrangling/analysis was conducted using Python Dataframe/NumPy and Pandas through the Jupyter Notebook. Through the implementation of various algorithms and methodologies, statistical diagrams will be generated/visualized to provide data analytics which, in turn, will enhance a company's marketing strategies and decision making.

## Highlighted Projects

**ITM 90A/B Graduation Project:** Developed and applied various information systems (IS) solutions including, but not limited to drafting class diagrams, system sequence diagrams, etc. Designed risk management plans/deployment plans and developed SQL schema database/SQL queries to provide the client with their desired IS solutions to meet business needs.

## Professional Experiences

**Junior Software Developer, Jarvis Consulting (2021-Present):** Learning and implementing various software and data programs to attain the required experience for success in the workplace. Experience is not limited to program development, but also includes communicating with my team in agile meetings and project forums to collaborate and solve technical issues. As a Jarvis software developer, I am responsible for helping other developers with whichever errors they may come across. Also, I am accountable for keeping senior developers/scrum masters updated in regards to project timelines and scheduling meetings.

**Rides Supervision Member, Canada's Wonderland (2019-Present):** Through my position as a rides supervision member at Canada's Wonderland, consistent use of interpersonal skills with both park guests and employees is crucial. I am also responsible for collaborating with my supervision team to regulate scheduling and train associates. In this leadership position, I am responsible for handling guest conflict, where my communication skills are essential to defuse any tension. Lastly, I conduct opening and closing procedures at ride locations and oversee safe operations at the ride group.

## Education

**Ryerson University (2017-2021)**, Bachelor of Commerce (BComm), Major, Business Technology Management (BTM), Minor, Economics, Ted Rogers School of Information Technology Management - Dean's List (Fall 2019, Winter 2020, Fall 2020, Winter 2021)

## Miscellaneous

- Participating in organized sports (basketball)
- Building investment portfolio (stocks)
- Organizing running/hiking/skiing events