

# Johnny Lin . Jarvis Consulting

I am a recent graduate of the Computer Programming program from Seneca College and also an Electrical Engineering graduate from Ryerson University. Through my studies, I have gained knowledge in system design, data structures, algorithms, database systems, web development, networking and various programming languages. My career aspiration is to make an impact as a Software Engineer. Growing up, I was always interested in understanding how things worked which has led me to continuously explore and learn new things. I enjoy taking on new challenges and being able to find creative solutions to problems. Currently at Jarvis Consulting Group, I have been able to further develop my technical and soft skills through projects in a team-oriented environment. Altogether, I am excited to utilize my knowledge and abilities to create an impact in the software industry.

## Skills

**Proficient:** JavaScript, TypeScript, Node.js, Express.js, Angular, ORM/Sequelize, RDBMS/SQL, HTML/CSS, Agile/Scrum, Git, Java, Linux/Bash, Data Structures

**Competent:** Docker, Maven, Postman, C/C++, Postgres

**Familiar:** Cloud/AWS, Bootstrap, JUnit, Python, MongoDB

## Jarvis Projects

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

**Cluster Monitor** [GitHub]: Implemented a Linux Cluster Monitoring Agent using Bash scripts that manages and stores hardware specifications and resource usage data of nodes in a cluster. The agent utilizes the crontab scheduler to execute every minute. The data is managed by a PostgreSQL database that is provisioned using Docker.

**Core Java Apps** [GitHub]:

- **Grep App:** Developed a Grep application that imitates the grep command on Linux. The app searches files for lines matching the provided regular expression and stores the matched lines in a file. The search begins at the specified directory and recursively searches all directories and files. Implemented using IntelliJ IDE, Core Java and Maven. Deployed with Docker.
- **JDBC App:** In progress

## Highlighted Projects

**Vacation Destination Web App:** Designed a web application for browsing vacation destination properties. Travelers can view details of the property and have the option of filtering based on property type and location. Implemented using MongoDB, Express, Handlebars and Node.

**General Hospital Pre-Triage App:** Developed an app in C++ for hospitals to screen and admit patients according to those that require general care and COVID-19 testing. Provides estimated wait times to prevent lineups and the spread of COVID-19.

**360-Degree Image Stitching Module:** Collaborated with a team of three to design a module that captures images in a 360-degree range to create a panoramic image. Implemented controller theory in Python and image processing techniques in C++.

## Professional Experiences

**Software Developer, Jarvis (2022-present):** Worked with a team of software developers to implement projects in an agile/scrum environment. Designed, implemented and tested various projects using technologies such as Java, SQL, Linux/Bash, Maven, Docker and Git. Conducted daily scrum meetings as the team lead to provide updates to the project manager and resolve impediments within the team.

**Senior Technical Student, Toronto Hydro Corporation (2021):** Executed test cases for regression testing of a web application in an agile/scrum environment. Created test scripts based on user stories to automate testing using Katalon. Utilized Jira to track progress on the workflow. Participated in daily scrum meetings and monthly sprints.

**Fulfillment Associate, Amazon Canada Fulfillment Services (2020-2022):** Performed production duties with a team of 30 people demonstrating excellent communication skills. Mentored new hires on company culture and processes. Demonstrated leadership and problem-solving skills to resolve any issues that arise.

## **Education**

**Seneca College (2020-2022),** Ontario College Diploma, Computer Programming - President's Honour List (2021)

**Ryerson University (2014-2019),** Bachelor of Engineering, Electrical Engineering - Dean's List (2019) - Men's Varsity Volleyball Team (2016-2017)

## **Miscellaneous**

- Fitness
- Sports (Basketball, Volleyball, Golf)
- Video Games