

Muhammad Furrukh Tanveer

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EDUCATION

Ryerson University | Bachelor of Science (B.Sc) - Computer Science (Co-op)

Expected Graduation 2025

EXPERIENCE

Software Engineer Intern

Loblaw Companies Limited

Brampton, ON | May 2022 - Present

- Implemented **AGILE/Scrum** methodologies using **JIRA** to efficiently complete stories across **3 projects** and collaborate with **cross-functional** teams to achieve project goals.
- Engineered **Spring Boot** and **Java microservices** utilizing **SQL** and cron jobs to calculate replication to **Oracle** and **improve lag visibility by over 50%** by utilizing **REST APIs** to insert data into tables.
- Designed and implemented a data purging solution by writing **batch scripts** to purge data in Oracle and generate alerts using **Autosys** and **PowerShell**, improving **API and database performance by over 75%**.
- Developed a **Python** script to monitor replication lag between **MySQL** and **Oracle**, generating alerts to **improve lag visibility by over 90%**.
- Utilized **Oracle DB/SQL Developer** to compose complex **SQL** queries, subqueries and joins among tables/schemas
- Built and deployed **CI/CD pipelines** for lower and upper environments on **Jenkins** and **OpenShift** to facilitate efficient and streamlined software delivery.

Computer Programmer Trainee Co-op

Builder Lynx

Toronto, ON | Feb 2019 - Jun 2019

- Operated on an **internal cloud-based system** to perform **data loading** and **configuration** to keep client information up-to-date and accurate.
- Communicated with clients through email regarding errors or empty fields encountered while uploading bulks of data to correct any inaccurate information provided and keep clients engaged.
- Reviewed large portions of data through multiple checks to ensure the client's data was uploaded correctly.

Youth Ambassador

Toronto Transit Commission (TTC)

Toronto, ON | Jun 2021 - Aug 2021

- Communicated with individuals in racially diverse communities to gather feedback on the Line 5 Eglinton Project and the general transit system.
- Implemented virtual and physical engagement tactics using **Photoshop** to get **302 survey respondents**.
- Documented and presented findings to the Youth Ambassador team and the TTC Annual Service planners.

PROJECTS

Full Stack Tour Booking App | [Node.js](#), [Express.js](#), [PUG](#), [MongoDB](#), [Heroku](#)



- Designed a Full Stack application which allows users to log in using JWT tokens and book tours securely.
- Engineered a **RESTful API** with **Node.js/Express.js** to support **CRUD operations** on the **MongoDB** database.
- Developed **Mongoose Schemas** to model tours, users, and bookings.

Full Stack Quotes App | [Python](#), [Flask](#), [Vue.js](#), [Bootstrap](#), [Heroku](#), [Netlify](#)



- Utilized **Python** and **Flask** to develop the backend.
- Performed Web Scraping to fetch data from API.
- Utilized **Vue.js** and **Bootstrap** for front-end rendering and styling.

SKILLS

Programming Languages: Java, Spring Boot, Python, JavaScript, Bash, SQL, HTML, CSS

Tools: Jenkins, OpenShift, Autosys, JIRA, Powershell, Batch, Postman, GitHub, GitLab

Technologies: Oracle Database, MongoDB, React, Spring, Node.js, Express.js, SQL Developer