

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 complete stories efficiently 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** resulting in an **improvement of 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 replicate data from **MySQL** and **Postgres** databases to **Oracle** using REST APIs and data manipulating algorithms, achieving bulk inserts of thousands of records in **less than 2 seconds**.
- 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

- Utilized an **internal cloud-based** system to execute **data loading** and configuration tasks to ensure client information is up-to-date and accurate with a **data accuracy rate of 98%**.
- Communicated with clients via email to address errors or empty fields encountered during bulk data uploads, resulting in a **resolution rate of 95% within 24 hours** and maintaining an engaged client base.
- Performed extensive data review using multiple checks and validation techniques to ensure client data is uploaded correctly with an **error rate of less than 1%**.

Youth Ambassador

Toronto Transit Commission (TTC)

Toronto, ON | Jun 2021 - Aug 2021

- Communicated with individuals from racially diverse communities to gather feedback on the Line 5 Eglinton Project and the general transit system through a combination of virtual and in-person engagement tactics **resulting in 302 survey respondents**.
- Documented and analyzed survey results and presented findings to the Youth Ambassador team and the TTC Annual Service planners, resulting in the implementation and recommendations in the following year's service plan.

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