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

- Participated in **AGILE/Scrum** using **JIRA** to complete stories among **3 projects** and cross-functional teams
- Engineered **Spring Boot** and **Java** microservice to calculate replication to **Oracle** using SQL and cron jobs which insert data in tables using **REST APIs improving lag visibility by over 50%**.
- Designed a **purging solution** by writing **batch scripts** to purge data in **Oracle** and generate alerts with **Autosys** and **PowerShell** to improve **API performance**.
- Developed a **Python script** to monitor replication lag between **MySQL** and **Oracle** to generate alerts and **improve lag visibility**.
- Operated in **Oracle DB/SQL Developer** to write **complex SQL queries**, subqueries, and joins among tables/schemas.
- Constructed and **deployed CI/CD pipelines** for different lower and upper environments on **Jenkins** and **Openshift**.

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 securely log in using JWT tokens and book tours.
- 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