

# Muhammad Furrukh Tanveer



## EDUCATION

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

Expected Graduation 2025

## SKILLS

**Languages:** Java, Python, JavaScript, Bash, SQL, HTML, CSS, GoLang

**Tools:** Jenkins, Openshift, Autosys, JIRA, Powershell, Batch, Docker, Postman, GitHub, GitLab, WordPress, BitBucket

**Technologies:** Spring Boot, OracleDB, MongoDB, React, Spring, Node.js, Express.js, SQL Developer, MySQL, PostgreSQL

## WORK EXPERIENCE

**JUNIOR WEB DEVELOPER** | Treasury Board Secretariat (Ontario Public Service)

May 2023 - Aug 2023

- Developed over **10** core **Golang** REST APIs used through **Vue.js** by using **SQLx** with prepared statements and structs to prevent multiple **SQL injection** vulnerabilities.
- Debugged and optimized across **30+** **WordPress PHP** files by optimizing and implementing plugins resolving critical bugs within the WordPress dashboard.
- Enhanced the user interface and accessibility through **Vue.js**, providing an accessible and engaging user experience reaching over **29 Ontario Ministries**.

**SOFTWARE ENGINEER INTERN** | Loblaw Companies Limited

May 2022 - May 2023

- Implemented **AGILE/Scrum** processes using **JIRA** to complete stories across **3 cross-functional projects/teams**.
- Engineered **Spring Boot** and **Java** microservice which calculated GoldenGate replication to **Oracle** through **REST APIs** and **SQL** improving lag visibility by over **50%**.
- Designed large-scale Oracle data purging solution with Windows **batch scripts**, utilizing **Autosys** and **PowerShell** for failed transaction email alerts, boosting API and database performance by over **75%**.
- Developed **Python** script for **MySQL** and **Postgres** data replication to Oracle using REST APIs and efficient algorithms, achieving bulk inserts for 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 **Jenkins** and **Openshift CI/CD pipelines** for seamless software delivery across all environments.

**COMPUTER PROGRAMMER TRAINEE CO-OP** | Builder Lynx

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 was uploaded correctly with an error rate of **less than 1%**.

## PROJECTS

**TOUR BOOKING** | 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.

**FAMOUS QUOTES** | 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.