

# Furrukh Tanveer

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## EDUCATION

Toronto Metropolitan University, Bachelor of Computer Science

Expected Graduation: May 2025

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## SKILLS

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

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

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

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## WORK EXPERIENCE

**SOFTWARE DEVELOPER, Ontario Ministry Of Treasury Board Secretariat**

May 2023 - August 2023

- Formulated **10+** core **GoLang REST APIs** used through **Vue.js** using SQLx with prepared statements and structs to prevent multiple SQL injection vulnerabilities.
- Debugged across **30+** **WordPress PHP** files by optimizing and creating plugins resolving critical bugs and user accessibility issues within the WordPress dashboard through full-stack development.
- Enhanced the user interface and accessibility through **Vue.js**, providing an accessible and engaging user experience reaching over **29 Ontario Ministries** and **100+ million** site visits.

**SOFTWARE ENGINEER INTERN, Loblaw Companies Limited**

May 2022 - May 2023

- Adopted **AGILE/Scrum** with **JIRA** for development and QA testing stories across **3 cross-functional projects/teams**.
- Engineered **Spring Boot** and **Java** microservice which calculated GoldenGate replication latency 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, efficient algorithms, and data structures, achieving bulk inserts for thousands of records in less than **2 seconds**.
- Leveraged **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, Builder Lynx**

Feb 2019 - June 2019

- Utilized an internal **cloud-based** system to execute **data analysis** 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%**

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## PROJECTS

**MERN TOURIST BOOKING APP | Node.js, Express.js, PUG, MongoDB, Sass, Full-Stack**

- Implemented **JWT** user authentication for enhanced security and authorization controls following web standards.
- Engineered a **RESTful** API in **Node.js** and **Express.js**, utilizing **Mongoose** Schemas to support **CRUD** operations
- Integrated the **Stripe** payment gateway to facilitate secure and seamless payment processing for tour bookings.

**FAMOUS QUOTES APP | Python, Flask, Vue.js, Bootstrap**

- Developed backend using **Python** and **Flask** creating a scalable data retrieval model.
- Implemented **web scraping** techniques to extract data from Wikipedia's API and organize it into a constructable format.
- Utilized **Vue.js** for dynamic front-end rendering and **Bootstrap** for responsive UI design.