Furrukh Tanveer

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EDUCATION

Toronto Metropolitan University, *Bachelor of Computer Science* **Expected Graduation:** May 2025

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

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%**

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.