

Furrukh Tanveer

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EDUCATION

Toronto Metropolitan University (Formerly Ryerson University)

Toronto, ON

Bachelor of Science in Computer Science

2020-2025

Relevant Coursework *Artificial Intelligence, Data Structures, Algorithms, Data Science, Web Development, Databases, Operating Systems, Discrete Structures, Data Mining, UNIX/C/C++*

EXPERIENCE

Software Engineer Intern

May 2025 – Present

OMERS

Toronto, ON

- Engineered backend for a **Spring Boot** microservice for pension plan transfers using **Java** and **Gradle**, integrating **Kafka**, **Apache Camel**, and **Docker** to expose **15+ RESTful APIs** serving over **1 million** members.
- Architected **15** database tables from ERDs using **PostgreSQL**, leveraging **Liquibase** and **Groovy** for seamless implementation and testing across **4+** environments.
- Resolved **10+ critical** vulnerabilities reported by **Snyk**, ensured over **80% SonarQube** code coverage, and designed **50+ JUnit** tests across enterprise microservices.

Software Developer Intern

May 2024 – Dec 2024

OPTrust

Toronto, ON

- Automated pension data delivery using **Python** and **PowerShell**, processing 30+ files across remote servers daily, reducing manual effort by **60%**.
- Trained an **Azure OpenAI** chatbot to engineer automated scripts compatible with job schedulers with a focus on cybersecurity, achieving time and cost savings of over **40%**.
- Designed a **CI/CD** pipeline by configuring Git runners and **GitHub Actions** on test Linux servers, enabling SSH into a Windows server for automated test execution.

Software Developer Intern

May 2023 – Aug 2023

Ontario Ministry of Treasury Board Secretariat

Toronto, ON

- Developed 4+ **GoLang REST APIs** for the backend using SQLx with prepared statements and structs to prevent 3+ SQL injection vulnerabilities and decrease endpoint load times by **6%**.
- Enhanced frontend through **Vue.js** by following Accessibility for Ontarians with Disabilities Act (AODA) standards, providing a web-accessible UI/UX reaching 29 Ontario Ministries.
- Debugged 10+ **PHP** files by creating custom PHP WordPress plugins that resolved **4+** site functionality bugs.

Software Engineer Intern

May 2022 – May 2023

Loblaw Companies Limited

Brampton, ON

- Adopted **Agile SDLC** with JIRA and Scrum for development and QA across 3 cross-functional projects and teams
- Engineered **Spring Boot** microservice using **Java** and **Apache Maven** to calculate GoldenGate replication latency to Oracle through REST APIs and SQL, increasing system latency visibility over **30%**
- Architected **Oracle** data purging solution with Windows batch scripts, utilizing Autosys and PowerShell for failed transaction email alerts, improving query execution times by over **25%**
- Developed **Python** script for **MySQL** and **Postgres** data replication to Oracle using REST APIs, achieving inserts for thousands of records in less than 2 seconds
- Engineered database queries for **MongoDB** and **Oracle**, enhancing storage and query performance by **30%**.
- Implemented **CI/CD pipelines** using **Jenkins** and **OpenShift Container Platform**, automating the build, test, and deployment process across QA and production environments, reducing deployment time by **40%**.

SKILLS

Languages: Java, Python, JavaScript, SQL, C, C++, C#, HTML, CSS, Bash, GoLang, PHP, TypeScript

Frameworks: Spring Boot, .NET, Node.js, Express.js, React.js, Angular.js, Vue.js, Flask

Tools: Git, Jenkins, Openshift, Powershell, Batch, Selenium, Datadog, GraphQL, Confluence, JIRA, ServiceNow, Splunk, Docker, Kafka, Maven, Apache Camel

Technologies: Kubernetes, OracleDB, MongoDB, MySQL, PostgreSQL, GCP, AWS, Azure