

Furrukh Tanveer

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EDUCATION

Toronto Metropolitan University

Bachelor of Science in Computer Science

Toronto, ON

Graduated: June 2025

EXPERIENCE

Software Engineer Intern

May 2025 – Present

OMERS

Toronto, ON

- Engineered backend for **Spring Boot** service handling pension plan transfers using **Java** and **Gradle**, integrating **Apache Kafka**, **Apache Camel**, and **Docker**, designing **30+ RESTful APIs** serving **500,000+** members.
- Architected **15** database tables, alongside Java entities, and mappers from ERDs using **PostgreSQL**, leveraging **Liquibase** and **Groovy** for implementation across **10+** microservice models and testing across **4+** environments.
- Resolved **10+** vulnerabilities through **Snyk**, ensured **80+% SonarQube** code coverage, configured **30+** business validations, designed **100+ JUnit** tests, and built **3+ Datadog** dashboards 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

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

- 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%**.
- Developed **Python** script for **MySQL**, **MongoDB**, and **Postgres** data replication to **Oracle** using REST APIs and queries, achieving inserts for thousands of records in less than 2 seconds.
- Implemented **CI/CD pipelines** using **Docker**, **Jenkins** and **OpenShift Container Platform**, automating the build, test, and deployment process across QA and production environments, reducing deployment time by **40%**.

PROJECTS

rXpress Pharmacy Delivery | Java, Spring Boot, Supabase, Next.js, React Native

- Developed **React Native** app for iOS and Android with **Mapbox** GPS tracking, route optimization, **Stripe** payouts, and secure KYC using Supabase Storage and encryption scalable to **100+** concurrent drivers.
- Built a **Next.js** pharmacy portal with real-time prescription tracking, full **CRUD** functionality for prescription management, prescription analytics, role-based access control, admin management, and driver assignment.
- Designed and developed a central **Spring Boot** orchestrator service managing business workflows across pharmacy, driver, and admin modules, exposing 50+ REST APIs, secured via **JWT** and **PostgreSQL RLS**, with automated **GitHub Actions** CI/CD pipelines deploying to multiple environments.

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