

JUMAANA ASLAM

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Education

Ontario Tech University

Sep 2021 – May 2025

Bachelor of Engineering (Honours), Software Engineering

Oshawa

President's List: Fall 2021, Fall 2022, Winter 2023

Dean's List: Winter 2022

Work Experience

Children, Community and Social Services

May 2024 – Aug 2024

IT Systems Assistant

Toronto

- Developed a **RESTful** application using **Java**, **Spring Framework**, **Spring MVC**, **Thymeleaf**, **Bootstrap**, **JPA**, and **H2 database**, focusing on backend operations and API development.
- Utilized **Swagger** for creating, editing, and managing API documentation.
- Employed **Spring Boot Admin Server & Client** for API administration and consumption.
- Deployed the application using **Docker Desktop**, **Kubernetes**, and **Minikube**, ensuring smooth container orchestration and management.
- Authored technical documentation on **security logging and monitoring** for web applications.
- Incorporated case studies from IBM, Netflix, and Cisco to demonstrate best practices in security logging and monitoring.
- Gained insights into manual logging, frameworks, and cybersecurity practices, including **SIEM** and regulatory compliance for logs.

Children, Community and Social Services

May 2023 – Aug 2023

Web Development Assistant

Toronto

- Gained a deeper understanding of the Ministry of Children, Community, and Social Services, specifically the Social Assistance I & IT Branch, which supports the Ontario Disability Support Program (ODSP) and Ontario Works (OW).
- Focused on the Social Assistance Management System (SAMS), the main technology supporting ODSP and OW.
- Actively participated in daily scrum meetings to update progress.
- Frequently assumed the role of **Scrum Master**, facilitating and hosting meetings.
- Served as a scribe during interviews for my manager, ensuring accurate documentation and communication.

Projects

Digital Library Application | Source Code

JPA | SpringBoot | H2

- * Developed a digital book library using **Spring Boot** and the **MVC pattern**, with a responsive user interface powered by **Thymeleaf** and **Bootstrap 5** for optimal viewing across various devices.
- * Implemented key features including an embedded PDF viewer for in-browser reading, **RESTful** services for backend operations, and **JPA** with **H2 Database** for data persistence during development.

Flight Booking System | Source Code

Java | SpringBoot | JUnit

- * Developed a flight ticket booking system using **Java**, **Spring Boot**, and **Thymeleaf**, enabling users to search, book, and manage flight itineraries, with a focus on test-driven development (TDD) using **JUnit** and **Mockito**, and deployed the application to **Google Cloud Platform** for scalable and reliable performance.
- * Implemented and maintained a **Continuous Integration (CI)** pipeline with **Jenkins** to automatically run tests on each commit, ensuring code quality and stability, and facilitating efficient build and deployment process.

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS, JavaScript, C, C++

Developer Tools: Postman, WAMP, Git, Linux, Figma

Libraries/Frameworks: Angular, Hibernate, Spring Boot, NodeJS, Docker, JUnit