

Tanvir Singh

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EDUCATION

Honors Bachelor of Technology- Software Development

Seneca Polytechnic - Toronto, Ontario

- GPA: 4.0/4.0
- Earned President's List in Fall 2022, Winter 2023, Fall 2023, and Winter 2024.

EXPERIENCE

CGI Inc, Toronto Financial Unit, Toronto, ON

05/2024 - 08/2024

Software Test Analyst – Co-op

- Worked on a project involving the SWIFT mandate of converting MT format messages to MX format [ISO 20022]
- Built and executed automated test scripts with Selenium and Robot Framework.
- Collaborated with cross-functional teams to align technical solutions with client needs.
- Used LoadRunner to inject large data volumes and optimize application performance.
- Gained hands-on experience with ETL pipelines using Azure Data Factory and Power BI, contributing to data integration and reporting solutions.

CBV Collections Services LTD, Markham, ON

06/2022 - Present

Credit Analyst

- Handled outbound, inbound, and sales calls, ensuring quality experience for customers.
- Multi-tasked by notating accounts during calls and providing information customers were seeking.
- Complied with project policies and guidelines.

SKILLS & ABILITIES

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

Frameworks and Platforms: NodeJS, React/NextJS, Django, React Native, Robot, Linux/Unix.

Technologies: AWS, Azure, Docker, Ansible, Jenkins, CI/CD, Selenium, Git/GitHub.

Other Skills: Microsoft Office Suite, UML diagrams, Teamwork, Multitasking, Problem Solving, Attention to detail.

PROJECTS

Ticketmaster & Venue Manager

07/2022 - 12/2022

Python, Django, MongoDB, REST API

- Designed and implemented a Django web application for comprehensive venue, concert, and ticket management.
- Integrated robust user authentication, ensuring secure access and personalized experiences for users.

Microservice on AWS ECS

09/2023 - 12/2023

Node.js, AWS EC2, Docker, JavaScript, S3, DynamoDB, AWS ECS, REST API

- Developed and deployed a containerized microservice for fragment storage.
- seamlessly integrating with various AWS services to ensure scalability and efficient deployment.

Fuel Fraud Detection

01/2024 - present

JavaScript, Python, Next.js, NodeJS, Azure data factory, Power BI, Supabase, REST API

- Developed a robust frontend using Next.js and a backend with Node.js for fuel company accounts management.
- Implemented ETL processes using Azure Data Factory and Synapse, integrating PySpark for data processing.
- Leveraged Power BI for comprehensive data analysis and reporting, focusing on fuel fraud detection.

