

# Shumael Syed

647-648-9178 | [shumael.syed@gmail.com](mailto:shumael.syed@gmail.com) | [linkedin.com/in/shumael-syed](https://www.linkedin.com/in/shumael-syed) | [shumael.github.io](https://shumael.github.io)

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, SQL, HTML/CSS, TypeScript

**Frameworks:** React, Node.js, Flask, Vue.js, React Native

**Databases:** PostgreSQL, MySQL, Firebase, Apache Cassandra

**Developer Tools:** Git, Docker, Amazon Web Services, Google Cloud Platform, Terraform, Argo CD

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn

## EXPERIENCE

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### Software Engineer

Dec. 2021 – Present

*Scotiabank*

*Toronto, ON*

- Enhanced and upheld an in-house web application enabling the creation of CI/CD pipelines for applications' builds and deployments across the bank, serving over 100 teams. Working closely with **Java**, **Docker**, **Kubernetes**, **Argo CD**, and **Argo Workflows** as a member of the Platform Modernization team.
- Implemented high value features to add new functionality to application and improved the UI along with the UX using **React**.

### Cloud Developer Co-op

May 2021 – Aug. 2021

*Blackberry QNX*

*Mississauga, ON*

- Completed proof of concept by developing producers and consumers in **Python** and comparing **Apache Kafka** functionalities to **AWS Kinesis**.
- Developed **Flask** applications to fetch and display live vehicle data from **AWS Keyspaces** using an intuitive UI.
- Developed **AWS Lambda** functions to feed and fetch data to and from **AWS Keyspaces** and integrated Lambda functions with **AWS API Gateway** to deploy REST APIs with descriptive response bodies and appropriate status codes.

### DevOps Engineer Co-op

May 2020 – Aug. 2020

*RBC Global Asset Management*

*Toronto, ON*

- Developed APIs with OAuth 2.0 Authorization using **Spring Boot** and corresponding API test cases for unit testing.
- Improved reliability and efficiency of asset management applications by incorporating smoke and integration tests written in **Java** within CI/CD pipeline.
- Proposed and developed automated test scripts using **Robot Framework**, **Selenium** and **ReadyAPI**.

### Software Developer Co-op

Sep. 2019 – Dec. 2019

*Royal Bank of Canada*

*Toronto, ON*

- Developed **Python** scripts using REST APIs for real-time data collection to resolve audit-related issues.
- Developed automated test scripts in **Python** using Selenium WebDriver for various DevOps tools.
- Increased efficiency and reliability of existing test scripts by implementing REST APIs to replace Selenium based functions.

### Software Test Engineer Co-op

May 2018 – Aug. 2018

*Global Affairs Canada*

*Ottawa, ON*

- Developed automated detailed test cases in **Java** based on requirements, design documents, and user stories.
- Conducted risk analysis and identified critical test areas to ensure maximum test coverage.
- Documented and maintained test artifacts, including test cases, test data, test environment setup instructions, and test results.

## PROJECTS

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### Stock Market Analysis

- Developed a Python script that sends text messages to indicate real-time buying and selling opportunities in the stock market using the Nasdaq API.

### Personal Portfolio Website

- Developed an entire personal portfolio website from scratch using self-taught web development skills which included HTML, CSS, Bootstrap and JavaScript.

### Stock Market ETF Investing Bot

- Developed an automated investing bot using Selenium that invests in ETFs on a bi-weekly basis following the Dollar Cost Average investing technique.

## EDUCATION

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### University of Ottawa

Ottawa, ON

*Bachelors of Applied Science in Software Engineering*

*Sep. 2018 – Dec. 2021*

GPA: 3.6/4