

# Shumael Syed

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## Skills

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

**Frameworks/Libraries:** React, Bootstrap, React Native, Node.js, Vue.js, NumPy, Pandas, Flask

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

**Version Control/Infrastructure:** GitHub, Bitbucket, GitLab, Docker, AWS, Terraform, Argo CD

## Experience

**Scotiabank | Software Engineer**, December 2021 - Present

- Improved and maintained in-house web application that manages CI/CD pipelines for application builds and deployments for various teams within the bank as part of the Platform Modernization team. Working closely with Java, React, Docker, Kubernetes, and ArgoCD.
- Implemented high value features to add new functionality to product and improved the UI along with the UX.

**Blackberry QNX | Cloud Developer Co-op**, May 2021 - August 2021

- Completed proof of concept for Apache Kafka 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 and user-friendly 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.

**RBC Global Asset Management | DevOps Engineer Co-op**, May 2020 - August 2020

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

**RBC | Software Developer Co-op**, September 2019 - December 2019

- Developed 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.

**Global Affairs Canada | Software Test Engineer Co-op**, May - August 2018

- Developed automated tests in Java to diagnose bugs and irregularities within software applications.
- Identified and documented test results including appropriate classification of system defect criticality.
- Created and modified test cases based on business requirements.

## Projects

**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 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

**BASc in Software Engineering | University of Ottawa**, September 2017 - December 2021, CGPA 3.6/4

**Relevant Completed Courses:** Algorithms & Data Structures, Design of User Interfaces, Databases, Operating Systems, Software Quality Assurance, Project Management, Data Communication and Networking.