Shaishav Patel

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EDUCATION

University of Waterloo *(Expected) Apr. 2024*
BCS Candidate, Honours Computer Science Co-op GPA: 3.7/4.0

Relevant Coursework: Algorithms and Data Structures, Operating Systems, Object-Oriented Programming, Algorithm Design and Data Abstraction, Designing Functional Programs

EXPERIENCE

Coinbase *San Francisco, CA*
Software Engineering Intern May 2022 – Aug. 2022

- Working as a back-end developer on the Web3 Discovery & Community Team

Royal Bank of Canada *Toronto, ON*
Full-Stack Developer Intern Jan. 2022 – Apr. 2022

- Created a Java microservice using Apache Camel to process upto **500 transactions per second** by validating, transforming and routing retail e-Transfer transactions to assist downstream teams detect fraudulent activity
- Built a mapper library with **97%** unit test coverage to facilitate processing of transactions by 5 downstream systems
- Led migration of 3 legacy Java microservices to a new app code and integrated them with new CI/CD pipelines to streamline build/test/deployment processes and increase developer productivity

Royal Bank of Canada *Toronto, ON*
Cloud Software Developer Intern May 2021 – Aug. 2021

- Utilized Spring Boot framework to add features and resolve bugs in **Java microservice** for mapping numerous transaction types, used by 3 downstream teams to process over **$1 million** in e-Transfer transactions daily
- Built a microservice from scratch and shipped it to the cloud to validate transaction records, and generate various types of e-Transfer account statements for **100+** enterprise clients
- Leveraged **Apigee** to deploy a REST API proxy with OAuth 2 and expose microservice to internal API consumers

Imagine Communications *Waterloo, ON*
Automation Developer Intern May 2020 – Aug. 2020

- Developed **Python** scripts to automate end-to-end testing of REST APIs to reduce time taken to conduct regression testing by over 80% and to increase product stability
- Created and **automated 150+** tests to increase test coverage of smoke & regression test suite

PROJECTS

Inventory Management System

- Created a **Flask** web application to add, remove, edit and monitor inventory of athletics clothing
- Deployed application using **AWS Elastic Beanstalk**, and employed **AWS CodePipeline** to implement a simple **CI/CD pipeline** via GitHub

CourseMatch

- Built online platform with **Python** and **React** to connect remote learning students in the same courses
- Used discord.py library and unique tokens created through **Firebase** to verify each student and allowed permissions to channels for only their enrolled courses

TECHNICAL SKILLS

Languages & Markup	Python, Java, C/C++, JavaScript, Bash, HTML/CSS
Technologies/Frameworks	Spring Boot, Flask, Apache Camel, Thymeleaf, React
Developer Tools	Git, Jenkins, JUnit, AWS, PCF, UrbanCode Deploy

EXTRACURRICULAR

Problem Lab Pitch (1st Place) April 2020

- Team received **$4000** grant to research an ASL-to-text interpretation device for Deaf and Hard of Hearing individuals