



Shaishav Patel

shaishav.patel@uwaterloo.ca
shaishav.me

+1 (226) 507 9216

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TECHNICAL SKILLS

Languages & Markup	Python, Java, C++, C, JavaScript, Bash, Racket (Scheme), HTML/CSS, L ^A T _E X
Technologies/Frameworks	Spring Boot, Flask, Apache Camel, Thymeleaf, React
Developer Tools	Git, Jenkins, VS Code, IntelliJ, PyCharm, AWS, PCF, UrbanCode Deploy

EXPERIENCE

Royal Bank of Canada

May 2021 – August 2021

Cloud Software Developer Intern (Payments Team)

Toronto, ON [remote]

- Utilized **Spring Boot** framework to develop 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 from scratch and shipped a microservice to the cloud to validate transaction records, and generate various types of e-Transfer account statements for over **100** enterprise clients
- Leveraged **Apigee** to deploy an API proxy with OAuth 2 and expose microservice to internal API consumers

Imagine Communications

May 2020 – August 2020

Automation Developer Intern (Playout Team)

Waterloo, ON [remote]

- Developed **Python** test 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
- Worked in an **Agile development** (Scrum/SAFe) cycle and collaborated with team members on a shared codebase

PROJECTS

Inventory Management System | *Python, Flask, Javascript, AWS, HTML/CSS*

February 2021

- Created a **Flask** web application to manage, and monitor the inventory of athletics clothing for 12+ sports teams
- Deployed application using **AWS Elastic Beanstalk**, and employed **AWS CodePipeline** to implement a simple **CI/CD pipeline** via GitHub

CourseMatch | *Python, React, Discord Bot, Firebase*

January 2021

- Online platform built to connect remote learning students in the same courses by parsing their proof of enrollment PDF
- Used discord.py and unique tokens created through **Firebase** to verify each student and allowed permissions to channels for only their enrolled courses

Constructors (Settlers of Catan) | *C++*

December 2020

- Utilized OOP principles and MVC design pattern to minimize coupling and maximize cohesion in codebase

EDUCATION

University of Waterloo

(Expected) Apr. 2024

BCS Candidate, Honours Computer Science Co-op

GPA: 3.7/4.0

Relevant Courses: Data Structures and Data Management, Object-Oriented Software Development (OOP), Algorithm Design and Data Abstraction, Designing Functional Programs

EXTRACURRICULAR

Problem Lab Pitch - 1st Place

April 2020

University of Waterloo

- Received **\$4000** funding as a team to research and prototype an assistive device that provides ASL-to-text interpretation for Deaf and Hard of Hearing individuals