



# Shaishav Patel

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## TECHNICAL SKILLS

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

## EXPERIENCE

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### 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 **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

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### 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

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### 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

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### 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