Shaishav Patel

+1 (226) 507 9216
shaishav.patel@uwaterloo.ca
www.shaishav.me
in shaishav-p
shaishav-p

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 – Sep. 2022

- Setup **gRPC** endpoints, and utilized **Go** to implement various elements of the error handling & database layers in Social Graph Service which handles more than **100k requests/week** for the social feed in Coinbase Wallet
- Used **Go** to migrate profile follows endpoint in Wallet API to a graph-based client, serving **12,000+** monthly active users
- Implemented CRUD database calls by writing Gremlin queries for **AWS Neptune** Graph Database to achieve **204ms** p95 end-to-end latency

Royal Bank of Canada   *Toronto, ON*
Software Developer Intern   Jan. 2022 – Apr. 2022

- Created a **Java microservice** using **Apache Camel** to process up to **500 transactions/second** by validating, transforming and routing retail e-Transfer transactions to help detect and report fraudulent activity
- Built data mapping library with **97%** unit test coverage to facilitate processing of transactions by 5 downstream systems
- Led migration of 3 legacy Java microservices to new app code and integrated them with new CI/CD pipelines

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

- Utilized **Spring Boot** to add features and resolve bugs in a **Java** microservice for mapping numerous transaction types, used by 3 downstream teams to process over **$5 million** in e-Transfer transactions daily
- Built **Java** microservice to validate transactions and generate e-Transfer account statements for **100+** enterprise clients
- Leveraged **Apigee** to deploy a REST API gateway with OAuth 2 and expose microservice to internal API consumers

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

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

TECHNICAL SKILLS

Languages & Markup	Python, Java, Go, C/C++, Kotlin, JavaScript, Gremlin, Bash, HTML/CSS
Technologies/Frameworks	Spring Boot, gRPC/Protobuf, Flask, Apache Camel, Thymeleaf, React
Developer Tools	Git, AWS, Jenkins, JUnit, Pivotal Cloud Foundry, UrbanCode Deploy

PROJECTS

Athletics Inventory

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

CourseMatch

- Built online platform with **Python** and **React** to connect remote learning students in the same courses
- Generated unique tokens through **Firebase** to verify students and only allow access to channels for their enrolled courses