Shaishav Patel

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EDUCATION

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

Relevant Coursework: Algorithms, Data Structures, Operating Systems, Object-Oriented Programming

EXPERIENCE

Palantir | *New York, NY*
Product Reliability Engineer Intern | Sep. 2023 – Dec. 2023

- Using **Java**, internal variant of **DropWizard**, and **Grafana** to add monitoring and implement stability-related features

DRW Trading | *Montreal, QC*
Software Engineer Intern | May 2023 – Aug. 2023

- Built service with **Typescript**, **GraphQL**, **Node.js**, **Postgres**, **Redis** and **Docker** to manage and store trading strategy parameters for algorithmic exits, used by downstream services to trade **1000+** products on **10+** exchanges worldwide
- Improved detection and resolution times for missing trading strategy parameters by **95%** using **Slack API** and **Apollo**
- Leveraged **ELK** stack to monitor application's performance and added connection heartbeats for increased visibility

Coinbase | *San Francisco, CA*
Software Engineer 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
- Wrote Gremlin queries for **AWS Neptune** Graph Database CRUD operations, achieving **14ms** p95 end-to-end latency

Royal Bank of Canada | *Toronto, ON*
Software Engineer 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

Software Engineer 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

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%

TECHNICAL SKILLS

Languages & Markup	Python, Typescript/Javascript, Java, Go, C/C++, Kotlin, Bash, HTML/CSS
Technologies/Frameworks	Spring Boot, GraphQL, Apollo, Node.js, Flask, gRPC/Protobuf, React
Developer Tools	Git, Docker, MongoDB, PostgreSQL, Redis, RabbitMQ, AWS, Azure, Kibana

PROJECTS

BillBoard 🔗

- **React Native** app with a **Python** + **Flask** service that lets verified users vote anonymously on Federal bills by riding

Athletics Inventory 🔗

- Created a **Python** + **Flask** app and setup a basic **CI/CD pipeline** using **AWS CodePipeline** and GitHub Actions