

Shaishav Patel

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EXPERIENCE

Palantir

Software Engineer (Product Reliability) Intern

New York, NY

Sep. 2023 – Dec. 2023

- Used **Java**, **TypeScript**, and **React** to implement a branch-creation control mechanism to ensure adherence to database transaction limits and introduce user constraints. Deployed across **150+** customer stacks, enhancing operational stability.
- Built incremental data ingestion pipelines with **Python** and **Spark**, parsing **300+ GB** of data to analyze user actions
- Piloted LLM-based Slack bot for product support and revamped documentation workflow, reducing support load by **10%**

DRW Trading

Software Engineer Intern

Montreal, QC

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

Software Engineer Intern

San Francisco, CA

May 2022 – Sep. 2022

- Setup **gRPC** endpoints, and utilized **Go** (golang) 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 **140ms** p95 end-to-end latency

Royal Bank of Canada

Software Engineer Intern

Toronto, ON

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

Automation Developer Intern

Waterloo, ON

May 2020 – Aug. 2020

SKILLS

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

PROJECTS

BillBoard

- **React Native** mobile app that lets verified users vote and comment anonymously on Federal bills by electoral district
- Developed a **Python + Flask** backend service and setup a basic **CI/CD pipeline** using **Azure** and GitHub Actions

EDUCATION

University of Waterloo

BCS Candidate, Honours Computer Science Co-op

(Expected) 2024

GPA: 3.7/4.0

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