

ZAFIN HASSAN

mz2hassa@uwaterloo.ca | [linkedin.com/in/zafinhassan](https://www.linkedin.com/in/zafinhassan) | github.com/zafin-hassan

EDUCATION

University of Waterloo | Bachelor of Mathematics (Co-op)

Sept 2019 – Apr 2024

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Kotlin, GraphQL, Ruby

Frameworks and Tools: React, React Native, Ruby on Rails, Docker, Firebase, AWS, GCP, Apollo GraphQL, Git

WORK EXPERIENCE

Highbeam | Software Engineering Intern

Jan 2023 – Aug 2023

- Drove credit cards from conception to processing millions in transactions at this lean 10-person startup.
- Refactored Plaid integration using GCP and webhooks to support transaction sanitization and categorization.
- Established idempotent ACH/Wire payment processing in the backend, achieving bank layer agnosticism.
- Redesigned MFA and backend architecture using Kotlin to support migration to new partner bank.
- Implemented loan drawdown and repayment flow used by all users eliminating 20+ hours of work per week.

Coinbase | Software Engineering Intern

May 2022 – Aug 2022

- Built upsells with React, React Native, GraphQL, and Relay for Coinbase One, boosting revenue by **\$750,000**.
- Collaborated on a data-driven UI framework, enabling targeted in-app experiences for both Web and Mobile.
- Introduced functionality on Web and Mobile which allows users to view their past bills if they've unsubscribed.

Wealthsimple | Software Engineering Intern

Sept 2021 – Dec 2021

- Worked in a team of three on the home screen redesign, used by all **1.2+ million** Trade app users.
- Implemented functionality which allows users to sort their securities by performance and total value.
- Built the Settings tab for Trade app using React Native and TypeScript in a microfrontend architecture.

Vidyard | Software Developer Intern

May 2021 – Aug 2021

- Architected Rails services which added per-video notifications and made notifications more reliable.
- Built microservices using Redshift and GraphQL facilitating targeted upgrade prompts by user segmentation.
- Implemented several upgrade paths in dashboard using Vue.js which increased team's revenue by **25%**.

Reebee | Software Developer Intern

Sept 2020 – Dec 2020

- Led development of a full-stack project reaching 2 million users, marking reebee's largest-ever contest.

PROJECTS

Hack the North | React, TypeScript, GraphQL

Apr 2021 - Dec 2022

- Led a team of 6 frontend engineers to build web applications for **3000+** attendees from **30+** countries for promotion, application, and RSVP using React, TypeScript and GraphQL.
- Coordinated cross-functionally with design & backend teams to take projects from ideas to shipped features.
- Site received **5.2 million** requests from **40,000** unique visitors and portal received **6,000** applications.

Explore Spotify | Next.js, Node.js, Firebase

Jan 2021

- Web app with **950+ unique users** which allows users to view their top artists and songs.

The Capsule | Amazon SES, Next.js

Jan 2021

- Grew newsletter subscriber count to **7800+** by devising, deploying, and promoting a referral program.
- Increased open rates by **30%** by engineering a testing suite allowing emails to land in Gmail's primary tab.