

# RUSSELL ISLAM

✉ russellislam14@gmail.com — ☎ (647) 671-2991 — 🌐 russellislam.me — in russellislam08

## SUMMARY

---

- **Languages:** Python, Ruby, Java, Rust, C, C++, JavaScript, Bash, SQL
- **Technologies:** Rails, Express, Flask, Django, React, GraphQL, NGINX, Docker, AWS, Spring, Jenkins, Kafka, Thrift, Spark, Zookeeper, Terraform, MySQL, Postgres, MongoDB, Maven, ROS, Git, Vim, Linux

## EDUCATION

---

### University of Waterloo

Sept 2017 – Apr 2022

*Honours Bachelor of Applied Science in Computer Engineering*

- **Awards:** Graduation with Distinction and Dean's Honours List, 2x Term Dean's Honours List
- **Relevant Coursework:** Distributed Computing, Software Architecture, Computer Networks, Database Systems, Operating Systems, Compilers, Data Structures and Algorithms, Programming for Performance

## EXPERIENCE

---

### Backend Software Developer

May 2022 – May 2023

*Shopify*

- Redesigned the Shopify Subscriptions API to provide granular control over subscriptions, increasing merchant revenue by supporting quick product upsells, used by 30,000+ merchants
- Eliminated tedious work-arounds previously required to introduce temporary subscription order changes, improving API usability, reducing points of failure and increasing data metric accuracy
- Built GraphQL endpoints and Rails services to enable CRUD functionality for subscription billing periods, streamlining API adoption and simplifying merchant flows with user-friendly interfaces
- Spearheaded several initiatives to enforce strict data standards, allowing for improved metric collection, more accurate merchant revenue prediction and informed business decisions
- Improved checkout summary page for refunded pre-orders by determining accurate charges in real-time
- Mentored team members and took on leadership roles within external teams to achieve optimal progress

### Backend Software Developer Intern

Sept 2021 – Dec 2021

*Shopify*

- Developed Shopify's native pre-order functionality for merchants, eliminating reliance on third party apps
- Implemented a GraphQL API to integrate new pre-order functionality with Shopify's payment platform
- Encapsulated features behind beta flags for merchants, allowing for seamless rollout and rollback support

### Backend Software Developer Intern

Sept 2020 – Dec 2020

*Autodesk*

- Built features for the database system used within Autodesk's cloud based development platform, such as a high performant dynamic SQL query generator and automated API documentation workflows

### Software Engineer Intern

Jan 2020 – Apr 2020

*Capital One*

- Designed and deployed server-less data pipelines along with developing programs to streamline integration testing of AWS pipelines which eliminated up to 5 days of time from the production deployment process

### Backend Software Developer Intern

May 2019 – Aug 2019

*Clearpath Inc.*

- Developed core infrastructure of simulated virtual robots used within a virtual fleet manager using ROS

### Backend Software Developer Intern

Sept 2018 – Dec 2018

*eSentire Inc.*

- Developed REST APIs used with Deep Packet Inspection to detect vulnerabilities in network traffic data