

Education

University of Waterloo | Bachelor of Computer Science | 91% Major Average | Sep 2017 – Dec 2022

Skills

Languages TypeScript · Go · Python · C# · Java · SQL · C++ · Ruby

Technologies Node · React · GraphQL · ASP.NET · ANTLR · Docker · MongoDB · Rails · Git

Experience

Databricks | Software Engineer Intern May 2022 - Present | San Francisco

- Improved **DBSQL autocomplete** to support user-defined functions and dynamically fetched functions in **TypeScript**, opening new avenues for SQL Editor users and increasing function coverage by **20%**
- Created a **PoC** for generating **DBSQL parsers** using **ANTLR** and the **SparkSQL grammar**, increasing the code coverage of our parser from **40%** to **99%** and reducing the number of false error highlights by **80%**

Adeptmind | Full-Stack Developer Intern Aug 2021 – Dec 2021 | Toronto

- Owned an **image background colour detection** algorithm and integrated it into our **data processing pipeline (Python)** which was leveraged to give a consistent look to our **10M** product catalogue
- Developed an **image processing pipeline** to support multi-sized variants improving **TTI** and **SEO** scores
- **Dockerized** existing **Prefect** workflows and created a **PoC** for migrating them to run within **Kubernetes Jobs** in order to cut the costs of running out data pipelines by **10%**

StackAdapt | Software Developer Intern Jan 2021 – Apr 2021 | Toronto

- Contributed towards significantly increasing the productivity of customers by developing several core components of a bulk-editor feature using **React/Redux** in **TypeScript**
- Modified **Rails** backend and **Go** micro-services to introduce new datasets into user-requested reports

Thomson Reuters | Software Developer Intern May 2020 – Aug 2020 | Toronto

- Developed web pages and API endpoints using **ASP.NET MVC** framework powering **1,000+** clients
- Investigated numerous complex bugs by deep-diving into a multi-tiered codebase with **16,000+** files

PointClickCare | Software Engineer Intern Sep 2019 - Dec 2019 | Mississauga

- Developed security functions for numerous API endpoints using **Java/Spring** to prevent JSON injection
- Utilized **Selenium** and the **POM** to create both unit and E2E tests, increasing code coverage by **~10%**
- Created stored procedures and queries using **SQL** to manage and update **100+** production databases

Finastra | Software Developer Intern Jan 2019 – Apr 2019 | Mississauga

- Facilitated the **migration** of message-oriented middlewares resulting in a more maintainable codebase
- Developed and updated a robust set of API endpoints with **ASP.NET** given a set of specifications
- Implemented a system for dynamic endpoint retrieval from **design to production** using **SQL** and **C#**
- Refactored an existing HTTP request factory to use template types, saving **100+ lines** for each model

Projects

UW Blueprint - Sistering | 

- Worked as a **senior developer** at **UW Blueprint** – a student-run initiative to help build tech solutions for non-profits. We are creating a volunteer scheduling system for the Sistering organization.