

Experience

Software Engineer (Infrastructure) 🏢 *Clear Street* 📍 New York City, NY

January 2021 - Present

- Converted all of the existing AWS infrastructure to be managed using Terraform and Crossplane.
- Developed and integrated local Kubernetes solution to scale and increase the velocity of local development.
- Developed a tool that enabled new hires to seamlessly sync up their local tools and packages to company standards and recommendations.

Software Engineer (Infrastructure) 🏢 *Tulip Retail Inc.* 📍 Toronto, ON

September 2019 - December 2020

- Building and maintaining Tulip's infrastructure services, High-Performance REST/GRPC API, designed in Go.
- Responsible for maintaining Kubernetes clusters and tenants on GCP using Terraform and Gitlab's CI/CD pipeline.
- Developed tools for Customer Support department to speed up their workflow and eliminate technical challenges.

Software Engineer Intern (Core Platform) 🏢 *Geotab Inc.* 📍 Oakville, ON

May 2019 - September 2019

- Developed and maintained multi-threaded software using .NET Core and Postgres for high-volume GPS data.
- Tackled critical security bugs, as well as optimizing the caching mechanism that was responsible for the access and display of the information of millions of vehicles across North America and Europe.
- Queried and analysed server performance and statistics using BigQuery and Grafana for debugging purposes.

Education

B.Sc. Hon. Computer Science 🎓 *Ryerson University*

September 2017 - Spring 2021

- Deans List for 3 consecutive years (2017-2019), 3.8/4 GPA, Entrance Scholarship valued \$2000.
- Relevant Coursework: Data Structures and Advanced Algorithms, Computer Vision, Software Engineering, Advanced Database Systems, Artificial Intelligence, and Machine Learning.

Projects

Stonx ⚙️ *Go, Postgres, GRPC*

June 2020

- Created a responsive watchlist and portfolio manager using IEX API.
- Developed super rich clients using python to connect different messaging apps to the backend server.

cv-gen ⚙️ *Go, MongoDB, GRPC, React*

May 2020

- Developed a resume builder app based on jsonResume schema using Go in a test driven development style.
- Full API support (REST/GRPC) with data storage, on-the-fly resume generation and ability to add hooks.

Voter.io ⚙️ *Go, Kubernetes, Libsodium, React*

September 2019 - October 2019

- Created a fully encrypted and anonymous voting platform that stores signed voting data similar to a blockchain.
- Developed a UI using React to read voter QR codes, take votes and streamed live results with a millisecond delay.

Mini Home Cluster ⚙️ *Kubernetes, Docker, Raspberry Pi*

November 2018

- Created an 8 node Raspberry Pi Kubernetes cluster and deployed services such as gitlab, bitwarden, and OpenVPN in addition to hosting my personal and school projects to test and demo.

Skills

📚 Languages

• Go, Python, C, C++, Java, Bash, SQL, C#, TypeScript/JavaScript, PHP, Assembly

🔧 Frameworks/Libraries

• Node.js, React, Angular, Django, Pandas, TensorFlow, Libsodium, OpenSSL, OpenCV

🛠️ Tools/Services

• GCP, AWS, Kubernetes, Docker, Terraform, Kafka, Redis, Istio, Git, GNU/Linux