

Experience

Software Engineer (Infrastructure) 🏢 *Tulip Retail Inc.* 📍 *Toronto, Ontario* September 2019 - Present

- Building and maintaining Tulip's infrastructure services, High-Performance REST/GRPC API, designed in Go.
- Current project owner for receipt management service and helped to increase performance by 80%.
- Responsible for maintaining Kubernetes clusters and tenants on GCP using Terraform and Gitlab's CI/CD.
- Developed tools for Customer Support department to speed up their workflow and eliminate technical challenges.

Software Engineer Intern (Core Platform) 🏢 *Geotab Inc.* 📍 *Oakville, Ontario* May 2019 - September 2019

- Developed and maintained multi-threaded software using .NET Core and Postgres for high-volume GPS data.
- Optimised memory utilisation and multi-threaded error handling, leading to performance increase by 200%.
- Queried and analysed server performance and statistics using BigQuery and Grafana for debugging purposes.

Owner and Operator 🏢 *Alu-Ref Technology Ltd.* 📍 *Toronto, Ontario* August 2017 - May 2019

- Fulfilling B2B contracts by fixing phones and computers with software/hardware issues on a weekly basis.
- Developed an app for incoming/outgoing devices and inventory management using Go and React.
- Developed and implemented a scheduler and increased refurbishment pipeline flow by 150%.

Software/Hardware Technician 🏢 *iRepair.ca and Fixt Wireless* 📍 *Toronto, Ontario* June 2015 - April 2019

- Diagnosed and Fixed phones and computers with software and hardware issues.
- Networked in the phone repair industry and utilised the info/connections during the operation of my business.

Education

B.Sc. Hon. Computer Science 🎓 *Ryerson University* September 2017 - December 2020

- 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

cv-cli ⚙️ *Go, Postgres, GRPC, React* May 2020

- Developed an extensible resume builder based on 'jsonResume' schema using Go, Postgres and latex templates.
- Full API support with data storage and on-the-fly resume generation. (This resume was created by cv-cli)

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.
- Main purpose of this project was to familiarise myself with deploying and maintaining infrastructure and services.

Skills

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| 📚 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, Kubernetes, Docker, Terraform, Kafka, Redis, Istio, Git, GNU/Linux |