
Experience

OneSixtyTwo Digital Capital

May 2019 – Present

DevOps Engineer

Toronto, ON

- Initiated adoption of Kubernetes to handle our large scale internal software platforms, and introduced Terraform to streamline management with infrastructure as code
- Responsible for managing an Apache Pulsar cluster, capable of handling over 1 billion messages a day with 99.9% uptime
- Maintaining an Apache Airflow cluster, scheduling and executing dozens of data pipelines for researchers and analysts
- Updating our alerting setup with Opsgenie for smarter routing to appropriate recipients and managing on-call schedules
- Coordinating with developers to automate their processes and advise on usage of our internal platforms

Mentum Group Inc.

July 2020 – Feb. 2021

DevOps Consultant

Toronto, ON

- Volunteered to help a local startup building a contactless menu and ordering system, which has since partnered with restaurants across Canada during COVID-19
- Setup Kubernetes infrastructure and automated deployment to prepare for the increasing amount and complexity of microservices
- Advised on best practices for monitoring and scaling infrastructure and containerized applications

University of Toronto

Jan. 2020 – Apr. 2020

Teaching Assistant

Toronto, ON

- Facilitated weekly tutorials to help students with course material for Principles of Programming Languages
- Assisted professor with marking and providing constructive feedback to student's tests, labs, and assignments

University Health Network

Sep. 2018 – Dec 2018

Software Developer

Toronto, ON

- Full stack development in Clojure for web apps designed for clinical use in the hospital network
- Developed an all-in-one calendar, scheduling, and reporting web app for surgeons and administration

Kidzwhiz Technology Learning Centre

Mar. 2018 – Dec. 2019

Course Instructor

Markham, ON

- Taught young students the fundamentals of computer programming with engaging lesson plans and activities

Projects

Drawsome | Docker, Kubernetes, GCP, Nginx, MongoDB

April 2020

- Real time web app built by a team of two that allows for collaborative drawing implemented with websockets
- Learned how to setup a Kubernetes cluster with a cloud provider and deploy a frontend, backend, and database

Education

University of Toronto

Sep. 2017 – Apr. 2022

Honours Bachelor of Science in Computer Science

Toronto, ON

- cGPA: 3.27/4.0, Dean's List
- Data Structures, Algorithms, Software Design, Web Development, Systems Programming, Databases, Operating Systems, Computer Networking and Security

Technical Skills

Programming: Python, Bash, C, Rust

Cloud: AWS EC2, VPC, EKS, ECS, ECR, IAM, S3

Containers: Docker, Kubernetes, Helm

Automation: Bitbucket Pipelines, Terraform, Ansible

Monitoring: Prometheus, Loki, Grafana, Alertmanager, Opsgenie

Platforms: Pulsar, Airflow