
Development Experience

- 💻 **Back End** • Python, Node.js, PHP, Go
- 🗄 **Databases** • MongoDB, RDS, CloudSQL, MySQL, DynamoDB, Redis, RabbitMQ
- ⚙ **DevOps Tools** • Bash, Git, Jenkins, Github Actions, NGINX, Splunk, Prometheus, Grafana
• Kubernetes, Terraform, Helmfile, ArgoCD, KinD, Skaffold, Jenkins, NGINX, Docker
- 🏠 **Environments** • AWS: EC2, ECS, VPC, Route53, S3, Lambda, Cloudformation, etc.
• Azure: AKS, ABS, DNS, Azure Cache for Redis, etc.
• GCP: GKE, KMS, GCS, StackDriver, GCE, Pub-Sub, etc.
- 📖 **Fundamentals** • Microservices, Serverless Applications, Mob & Pair Programming, Agile Development, CI/CD

Work Experience

DevOps Engineer at *Daylight* January 2019 to April 2020

- Planned migration of AWS services to Azure-hosted Kubernetes for all Daylight environments.
- Designed architecture and deployment strategies for new Kubernetes environments.
- Created new environment for Shoppers Drug Mart Covid testing and vaccination forms to handle heavy load.
- Implemented local kubernetes development environment using Skaffold and KinD.
- Migrated existing cloudformation troposphere scripts to Terraform to manage all new environments.
- Maintained existing, and created new AWS-hosted environments with resources including EC2, ECS, VPC, Route53, Cloudfront services.
- Teaching and promoting DevOps practices to development teams to create a true DevOps culture.

DevOps Engineer at *Tulip Retail* January 2019 to April 2020

- Designed and built an SFTP Automation Framework leveraging AWS services to remove manual configuration.
- Participated in monthly on-call rotation to triage & fix tickets that affect critical services.
- Built CI/CD frameworks for internal projects and all serverless applications through use of Gitlab CI that automatically tests and deploys new changes.
- Setup monitoring solution of GCP services leveraging Prometheus, Thanos, Grafana, and Alertmanager.
- Developed new metric exporters & dashboards to receive more granular information around Tulip's internal systems, and configured alerts to warn teams of potential outages across the system.
- Worked on migration of customers to GCP while quickly debugging issues in new infrastructure.

Conference Speaker at *AWS Summit Toronto 2019* October 2019

As a conference speaker in the Start-up Booth at AWS Summit Toronto 2019 I presented my **SFTP Automation design** that solves the problem of manual easing work on existing SFTP Virtual Machine instances. This was achieved by leveraging many tools such as Transfer for AWS, Lambdas, DynamoDB, and SQS functionality.

DevOps Engineer (Co-op) at *Tulip Retail* August 2017 to September 2018

Education

University of Waterloo Graduated in 2018
Bachelor of Computer Science, Computer Science, Honours, Co-operative Program

Currently Reading

Kubernetes Best Practices by O'Reilly, *Cloud Native DevOps with Kubernetes* by O'Reilly, and *Refactoring* by M. Fowler & K. Beck