
Professional Summary

Site Reliability Engineer with five years of experience working in small teams that specialize in building reliable large-scale infrastructures to handle millions of users. A hard-working and lifelong learner proficient with the big 3 cloud providers and associated container orchestration tools (ECS, EKS, GKE, AKS).

Work Experience

Site Reliability Engineer II | Mattermost

May 2022 to May 2023

- Maintained over 15,000 production Mattermost workspaces in multiple Kubernetes clusters with **99.9% uptime**.
- Architected Mattermost deployment of production Kubernetes services to be managed by over **150 ArgoCD Applications**.
- Designed **custom Helm Charts** to allow other development teams to manage their services in a GitOps way.
- Utilized Mattermost Operator to deploy, upgrade, and destroy Mattermost workspaces in multiple Kubernetes clusters.
- Implemented cost cutting procedures in multiple AWS accounts to reduce Mattermost Cloud spending by **40%**.
- Led initiative to convert Mattermost Calls Recorder to be a cloud-native application and host it within Kubernetes clusters.
- Responded to high-priority system incidents and outages during weekly on-call rotations, **improving system availability by 15%**.

DevOps Engineer | Daylight

May 2020 to May 2022

- Planned migration of **AWS ECS** services to **Azure AKS** for all Daylight environments.
- Designed architecture and deployment strategies for new Kubernetes environments in AKS.
- Maintained Shoppers Drug Mart COVID-19 testing and vaccination forms to over **3 million users**.
- Migrated existing CloudFormation Troposphere scripts to Terraform to manage all new environments.
- Participated in **SOC 2 Type 2** Certification and yearly audits.
- Maintained existing, and created new AWS environments for dedicated and multitenant clients.

DevOps Engineer | Tulip Retail

January 2019 to April 2020

- Designed an SFTP Automation Framework leveraging AWS services to **reduce client-onboarding time by 20%**.
- Built CI/CD frameworks for internal projects and all serverless applications through use of GitLab CI that automatically tests and deploys new changes.
- Designed new monitoring solution leveraging **Prometheus, Thanos, Grafana, and Alertmanager**.

Conference Speaker | AWS Summit Toronto 2019

October 2019

As a conference speaker in the Start-Up Booth at AWS Summit Toronto 2019 presented an **SFTP Automation design** that solved the problem of creating custom SFTP Virtual Machine instances for each new customer. This was achieved by leveraging many tools such as **Transfer for AWS, Lambdas, DynamoDB, and SQS**.

Development Experience

- 🛠 **DevOps Tools** • Prometheus, Thanos, Grafana, Loki, Tempo, Istio, GitLab CI, Github Actions, NGINX, Bash, Git
• Kubernetes, Terraform, ArgoCD, Docker, Cloudflare, Packer, Helm, kOps, Teleport, KinD
- 🐧 **Environments** • AWS (5+ years), Azure (2+ years), GCP (2+ years), Amazon Linux, Ubuntu, Debian, macOS
- 💻 **Back End** • Python, Go, Node.js, PHP
- 🗄 **Databases** • RDS, MongoDB, PostgreSQL, MySQL, CloudSQL, DynamoDB, Redis
- 📖 **Fundamentals** • Cloud, GitOps, Microservices, CI/CD, Serverless Applications, Agile Development

Education

University of Waterloo

Graduated in 2018

Bachelor of Computer Science, Computer Science, Honours, Co-operative Program