
Professional Summary

Site Reliability Engineer with five years of experience working in small teams that specialize in building large-scale infrastructures designed to handle millions of users.

Work Experience

Site Reliability Engineer II | Mattermost

May 2022 to May 2023

- Maintained over 15,000 production Mattermost workspaces in 6 Kubernetes clusters with **99.9% uptime**
- Conceptualized and executed a highly scalable and cost-effective deployment solution for the company's Kubernetes services; leveraging over **150 ArgoCD Applications**
- Developed **Helm Charts** used by 5+ development teams, promoting GitOps way of managing services and increasing code delivery efficiency by 20%
- Deployed, maintained, and upgraded Mattermost Operator across 5 Kubernetes clusters, automating workspace creation and deletion, saving over 10 hours per week
- Implemented cost cutting procedures across AWS accounts to Mattermost Cloud; **cutting spending by 40%**
- Collaborated with Calls team to build a cloud-native version of Mattermost Calls Recorder, resulting in improved scalability, reliability, and performance; **reduced cost by 50%**
- 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

- Orchestrated the migration of AWS ECS services to Azure AKS for all Daylight environments; designed to decrease infrastructure costs by 10% and improved scalability by 30%
- Launched Shoppers Drug Mart COVID-19 testing and vaccination forms to over **3 million users**
- Revamped existing CloudFormation Troposphere scripts using Terraform, cutting down new environment setup time by 80%
- Led yearly **SOC 2 Type 2** audits for 2 years, collaborating with internal auditors to review and improve controls

DevOps Engineer | Tulip Retail

January 2019 to April 2020

- Developed SFTP Automation Framework leveraging AWS services to **reduce client onboarding time by 50%**
- Engineered and deployed CI/CD frameworks for 10+ serverless applications; utilized GitLab CI to automatically test and deploy new changes, reducing deployment time by 60%
- Implemented a new monitoring solution that leveraged **Prometheus, Thanos, Grafana, and Alertmanager**

Conference Speaker | AWS Summit Toronto

October 2019

Managed a cross-team effort that leveraged AWS services (Transfer for AWS, Lambdas, DynamoDB, SQS) to create a custom SFTP Automation solution that eliminated the need for manual setup of Virtual Machine instances; presented solution at AWS Summit Toronto 2019, reducing customer setup time from 2 weeks to 1.

Development Experience

🔧 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

December 2018

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