Daniel Wierdsma

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Professional Summary

Site Reliability Engineer with five years' experience building large-scale infrastructures designed to handle millions of users using container orchestration tools; launched Covid test and vaccination forms used by over 5 million unique users; became quickest team member to join on-call rotation after only 3 weeks.

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**
- Led team to create 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 decreased infrastructure costs by 10% and improved scalability by 30%
- Launched Shoppers Drug Mart COVID-19 testing and vaccination forms to over **5 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	• Kubernetes, Terraform, ArgoCD, Docker, Cloudflare, Packer, Helm, kOps, Teleport, KinD
	• Prometheus, Thanos, Grafana, Loki, Tempo, Istio, GitLab CI, Github Actions, NGINX, Bash, Git
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