Daniel Wierdsma

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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: EC2, EKS, ECS, VPC, IAM, Route53, S3, Lambda, Cloudformation, etc. • Azure: AKS, ABS, DNS, Azure Cache for Redis, etc. • GCP: GKE, KMS, GCS, StackDriver, GCE, Pub-Sub, etc.
🖥 **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

Work Experience

Site Reliability Engineer II at *Mattermost* — May 2022 to May 2023

- Maintained over 15,000 production Mattermost workspaces in Kubernetes with 99.5% uptime.
- Rearchitected Mattermost production services to be managed by ArgoCD.
- Orchestrated design process to move Mattermost from Calico CNI to AWS VPC CNI.
- Utilized Mattermost Operator to deploy workspaces in Kubernetes environments.
- Participated in cost cutting to reduce Mattermost Clouds spending by 40%.
- Led initiatives to convert internal tools to be cloud-native and host them within Kubernetes environments.
- Participated in a weekly on-call rotation to triage and resolve issues.

DevOps Engineer at *Daylight* — May 2020 to May 2022

- Planned migration of AWS services to Azure-hosted Kubernetes for all Daylight environments.
- Designed architecture and deployment strategies for new Kubernetes environments.
- Supported Shoppers Drug Mart Covid-19 testing and vaccination forms to handle heavy traffic.
- Migrated existing cloudformation troposphere scripts to Terraform to manage all new environments.
- Maintained existing, and created new AWS environments for dedicated and multitenant clients.

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

- Designed and built an SFTP Automation Framework leverging AWS services to remove manual configuration.
- Built CI/CD frameworks for internal projects and all serverless applications through use of GitLab CI that automatically tests and deploys new changes.
- Set up monitoring solution leveraging Prometheus, Thanos, Grafana, and Alertmanager.
- Developed new metric exporters & dashboards to alert on more metrics around Tulip's internal systems.

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.

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