Daniel Wierdsma

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Development Experience

🖥 **Back End**	• Python, Go, Node.js, PHP, Ruby, C++, Java
🛢 **Databases**	• RDS, Aurora, CloudSQL, MySQL, DynamoDB, Redis, Memcached, Beanstalkd
⚙ **DevOps Tools**	• Make, Bash, Git, Jenkins, Gitlab CI, NGINX, Apache, Chef, DataDog, Serverless Framework
	• Docker, Kubernetes, Terraform, Helm, Istio, Prometheus, Thanos, Grafana, AlertManager
🐧 **Environments**	• AWS: EC2, ECS, CloudFormation, Route53, S3, Lambda, CloudWatch, Lambda, etc.
	• GCP: GKE, KMS, Cloud Storage, StackDriver, Compute Engine, Pub-Sub, etc.
	• GNU/Linux (Ubuntu, Alpine, CentOS), Windows, MacOS
📓 **Fundamentals**	• Microservices, Serverless Applications, Mob & Pair Programming, Agile Development, CI/CD

Work Experience

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

- ○ Designed and built an SFTP Automation Framework leverging AWS services to remove manual configuration.
- ○ Upgraded over 50 existing Terraform modules and blueprints from v0.11 to v0.12 in order to ease load on Gitlab servers by moving resources to GCS.
- ○ Maintained over one thousand AWS resources including EC2, ECS, Route53, Cloudformation services.
- ○ 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.
- ○ Participated in War Room level events to aid in quickly solving high priority outages.
- ○ 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 (Designs and architecture are available on my Github as open source).

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

- ○ Designed and developed a RESTful API that was used in tandem with a Tyk Gateway for service discovery.
- ○ Architected new processes to set up and add new Jenkins worker servers hosted on AWS EC2 instances.
- ○ Researched alternative service discovery tools for AWS ECS clusters to aid in autoscaling our services.
- ○ Aided in creating a framework around spinning up new docker containers to run Oauth2 Proxy on any new web servers that may require it.

IT Security Analyst at *Fundserv Inc.*   January 2018 to April 2018

Previous Co-ops at *TD Canada Trust*, *Royal & Sun Alliance*, and *Canadian Tire Corporation*   January 2015 to August 2016

Education

University of Waterloo   Graduated in 2018

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

Currently Reading

Pheonix Project by G. Kim, *Pragmatic Programmer* by A. Hunt & D. Thomas, and *Clean Architecture* by R.C. Martin