Tyler Bailey *DevOps Engineer*

📍 Hamilton, Ontario

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Diverse DevOps background with 6+ years of hands-on experience building Infrastructure as Code, CI/CD pipelines, leveraging configuration management, and automating/optimizing mission critical deployments.

💼 Professional Experience

Perkin Elmer, *Senior DevOps Engineer* ⊡   05/2020 – present | Guelph, Ontario

Parallel Digital Studio, *DevOps Engineer* ⊡   06/2019 – 05/2020 | Hamilton, Ontario
Building a technical stack including AWS, Cloudformation, Terraform, Docker, Gitlab CI, Python, ELK Stack.

My day to day activities include: Building CI/CD pipelines, Infrastructure as Code, designing and delivering new container based platforms, and troubleshooting production issues.

Migrated a NASDAQ/S&P 600 companies web infrastructure from Rackspace to AWS reducing their bill by over 75%. Infrastructure was creating with a GitOps approach using Terraform and containers based applications being built, tested, and deployed through Gitlab CI/CD pipelines.

- Migrate existing and new infrastructure to Infrastructure as Code (IaC) through Terraform & AWS Cloudformation
- Develop CI/CD (Continuous Integration / Continuous Delivery) pipelines with Gitlab CI & AWS Code Pipeline
- Automated processes using scripting languages such as Python, PowerShell, and Bash
- Stood up ELK (Elasticsearch, Kibana and Logstash) monitoring and log aggregation stacks

StormFree Cloud Corporation (Contract - 3 Months),   03/2019 – 06/2019 | Remote
DevOps Engineer ⊡
Worked with a remote DevOps team to help build turnkey solutions on AWS using Kubernetes, Ansible, and Packer.

- Build and maintain high-performance, high-availability Kubernetes clusters
- Containers built with Docker and configured with Ansible

Postmedia Network, *Operations / DevOps* ⊡   07/2014 – 03/2019 | Ancaster, Ontario
Specialties: AWS, Ansible, Python, Jenkins

Daily activities include: Building AWS infrastructure through Ansible, automating developer code deployments through Jenkins, supporting & monitoring web resources using Grafana, ELK Stacks, Nagios & Icinga.

Helped migrate +100 small-medium sized community websites across Canada from on-prem to AWS in a month. Infrastructure was built out and configured with Ansible and deployed via Jenkins.

🧠 Skills

Infrastructure as Code   ● ● ● ● ●
Ansible, Pulumi, Terraform, Docker, Helm, AWS CF, Vagrant, Packer

CI/CD   ● ● ● ● ○
ARGO, Gitlab CI, Jenkins, Jenkins X, Travis CI, Github Actions, Flux

Container Orchestration   ● ● ● ● ○
Kubernetes, AWS ECS & EKS, GKE, Docker Swarm, Nomad

Scripting / Programming   ● ● ● ○ ○
Python, Bash, PowerShell, JavaScript, Node.JS

📑 Certificates

AWS Certified Cloud Practitioner
Valid 2019-2022

Machine Learning A-Z™: Hands-On Python & R In Data Science

Certified Rancher Operator: Level One

Deep Learning A-Z™: Hands-On Artificial Neural Networks

🎓 Education

McMaster University,   2012 – 2014 | Hamilton, Ontario
Computing & Information Technology, Bachelor of Technology

Mohawk College, *Network Engineering & Security Analyst, Ontario*   2009 – 2011 | Hamilton, Ontario
College Advanced Diploma