

Tyler Bailey *DevOps Engineer*

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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

Parallel Digital Studio, DevOps Engineer

06/2019 – present | 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), DevOps Engineer

03/2019 – 06/2019 | Remote

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



Terraform, AWS CF, Ansible, Docker, Vagrant, Packer

CI/CD



Gitlab CI, Jenkins, Travis CI, Github Actions

Container Orchestration



Kubernetes, AWS ECS & EKS, GCE, Docker Swarm

Scripting/Programming Languages



Python, Bash, PowerShell, JavaScript, Node.JS

Certificates

AWS Certified Cloud Practitioner

Valid 2019-2022

Education

McMaster University,

2012 – 2014 | Hamilton, Ontario

Computing & Information Technology, Bachelor of Technology

Mohawk College,

2009 – 2011 | Hamilton, Ontario

Network Engineering & Security Analyst, Ontario College Advanced Diploma