

Tyler Bailey *DevOps Engineer*

📍 Hamilton, Ontario

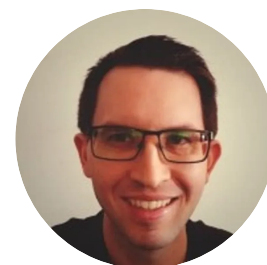
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Diverse DevOps background with 10+ years of hands-on experience building Infrastructure as Code, CI/CD pipelines, leveraging configuration management, and automating/optimizing mission critical deployments.

📁 Professional Experience

Revvity, Principal CloudOps Engineering Lead [🔗](#) 05/2023 – present | Guelph, Ontario
• Technical Lead for CloudOps operations

Perkin Elmer, Principal CloudOps Engineering Lead [🔗](#) 08/2022 – 05/2023 | Guelph, Ontario
• Technical Lead for CloudOps operations

Perkin Elmer, DevOps Manager, Software Platforms [🔗](#) 05/2021 – 10/2022 | Guelph, Ontario
• Lead DevOps team across Software Platforms department

Perkin Elmer, Senior DevOps Engineer [🔗](#) 05/2020 – 05/2021 | Guelph, Ontario
• Built out highly available ECS Fargate clusters for various microservices.
• Provisioned Kubernetes clusters with Terraform, Rancher, and RKE in a cloud-native manner.
• Created proof of concepts for AWS IoT for on-prem data collection.

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), 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 ● ● ● ● ●
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

Certified Rancher Operator: Level One

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

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

🎓 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