

# CALVIN LI

## Engineer

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github.com/calvin-li-developer

Cloud Engineer with a passion for optimizing software delivery through robust CI/CD pipelines, automation, and Infrastructure as Code (IaC). Demonstrated expertise in leveraging AWS services for scalable and efficient cloud solutions. Proven commitment to delivering high-quality code and fostering collaborative teamwork. Motivated by a drive for continuous improvement in DevOps practices.

## Skills

### Languages

Python • JavaScript • Typescript • Bash • YAML • React.js

### Technology & Tools

Git • GitHub • GH Actions • Docker • AWS • Terraform • Bitbucket • JFrog Artifactory

AWS → CloudFormation • Amazon Cognito • Lambda • S3 • ECS • CloudWatch • RDS • DynamoDB • IAM • VPC • WAF • Cloud9 • CloudTrail • Fargate • KMS • Resilience Hub • ECR • QuickSight • Route53 • Service Catalog

### Platforms

Windows • Mac OS • Linux

## Work

### Bank of Montreal

Toronto, ON June 2022 - Present

#### Cloud Engineer

- Orchestrated the design, administration, and execution of CI/CD pipelines (prod/non-prod) on GitHub, leveraging GitHub Actions, AWS ECS, Fargate, and custom Docker Images
- Collaborated cross-functional teams to construct, maintain, and ensure compliance with banking standards for customized module packages using AWS CDK and CloudFormation templates. Enforced best practices for testing and linting
- Designed, built, and managed an automated pipeline for AWS Cognito Authentication, acting as the central hub for API calls across the entire team of cloud developers. Successfully modernized the system by phasing out obsolete practices, notably the use of API Keys in the bank
- Lead triage efforts for the DevOps Team, managing daily support tickets through collaborative meetings with the Cloud Support Team. I offer crucial support to junior DevOps team members, leveraging expertise in triage issue resolution. Optimizing resource allocation, I assign tickets based on sprint bandwidth, ensuring an efficient workflow. My role involves making final decisions on whether a triage ticket falls under our support purview
- Strategically design, execute, and oversee compact automation initiatives aimed at eliminating bottlenecks resulting from manual processes. These projects effectively streamline operations, ensuring seamless development workflows for various cloud teams

## Projects

### Weather App • GitHub • Demo

Waterloo, ON

November 2021

#### Software Developer

- Written with React.js
- Backend using openweathermap API
- Validation of user input based on API limitations

### Tic Tac Toe • GitHub • Play

Waterloo, ON

November 2022

#### Software Developer

- Implemented with HTML5 and CSS utilizing ES6 standards
- Option to face against a computer (PVE)
- Responsive to mobile and desktop displays

## Education

### Bachelor of Science: Computer Science

Waterloo, ON

April 2022

Wilfrid Laurier University

## Licenses & Certifications

### AWS Certified Cloud Practitioner

Online

July 2023

Amazon Web Services (AWS)