

# LAURENCE LI

Infrastructure Engineer at Xero | Toronto

## CONTACT

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## SKILLS

### Languages

Node.js / TypeScript  
Bash

### Infrastructure

Kubernetes  
Docker  
Terraform  
Ansible  
Helm

### Observability

New Relic  
Sumologic  
Datadog

### Datastores

PostgreSQL  
Redis  
RDS  
S3

### Workflow and CI/CD

Git & Git Actions  
TeamCity  
Artifactory

### Cloud Providers

AWS

## EDUCATION

### University of Ottawa

Bachelor of Science in  
Computer Science  
Minor in Management

## EXPERIENCE

### Infrastructure Engineer | Xero | Sept. 2022 - Present

- Lead and completed initiative to containerize legacy monorepo application, significantly improving reliability and reducing cloud costs by \$50000 annually
- Migrated 100+ components from EC2 to Kubernetes, reducing number of full-time engineers required to maintain infrastructure from 4 to 1
- Rebuilt deployment pipelines; integrating artifact promotion, package scanning, and code quality analysis. Also reduced deployment lead time by 15%
- Implemented tooling and lifecycle rules in S3 to comply with data retention policies while also reducing cloud costs by roughly \$200000 annually
- Participated in on-call, resolving multiple production incidents by remediating infrastructure and application failures while coordinating teams across multiple time zones
- Led comprehensive post-incident reviews to determine root cause, improve monitoring/alerting and update playbooks
- Advocated for SOC, ISO and GDPR compliance as well as internal path-to-production standards; participated in remediation efforts when required
- Collaborated with software and data reliability engineers to maintain and optimize RDS database performance

### Software Engineer | Xero (Hubdoc) | Sept. 2018 - Sept 2022

- Drove development of direct bank connections, resulting in 90%+ successful fetch rate from previous implementation
- Maintained 500+ unique Node.js web scrapers, improving success rates by up to 100%, resulting in the successful fetch of millions of additional documents
- Used Infrastructure-as-Code tooling to deploy, manage and scale applications serving tens of thousands of users and running 100 000+ jobs per day
- Participated in on-call; implemented production application solutions and providing domain specific technical expertise to assist external teams
- Conducted hundreds of resume screens and dozens of technical interviews for software engineer candidates
- Provided technical mentorship to teammates through onboarding, pair programming and design proposals.