

Timothy Lock

 me@timothylock.ca
 https://timlock.dev

Skills

Coding: Golang (Go), PHP, Java, Python, SQL, HTML, JavaScript, Restful APIs, JSON, XML, System Design, OAuth
Cloud: Docker, Kubernetes, AWS (Amazon Web Services), Terraform, RDS, SQS/SNS, Grafana, Dynatrace, Datadog
Tools: Git, Subversion, Jira, Pagerduty, CircleCI, Codeship, Travis
Operating Systems: Windows, Unix, Linux, macOS
Storage: SQL, DynamoDB, Redis, Amazon Aurora, PostgreSQL

Work Experience

[Electronic Arts](#), Seattle, WA

Software Engineer

10/2023 - Current

- Create Kubernetes CRDs via an operator using kubebuilder in Go for game studios within EA
- Develop starter microservices (stores, player stats, observability) for studios to jumpstart development
- Enhance APIs and CLIs to allow studios to leverage our shared infrastructure/clusters

[Splashthat](#), Toronto, ON

Software Engineer

09/2021 – 10/2023

- Deploy and optimize Kong API gateway to enhance security, scalability, and performance via OAuth practices
- Implement rate-limiting, stopping over 5k/s of bad actors
- Develop a Go microservice template, driving the company's migration to a scalable microservice architecture
- Create and manage event driven integrations via APIs to Salesforce AppExchange, Marketo, Hubspot, and more
- Optimize high traffic API endpoints, identifying SQL optimizations, speeding up response times by 62%
- Lead standups, roadmap, sprint planning, and other leadership meetings, while being a mentor

[Wattpad](#), Toronto, ON

Software Engineer

06/2019 - 09/2021

Associate Software Engineer

05/2017 - 09/2018

- Develop multiple backend microservices handling over 80k client requests per second and 90 million users
- Modernized and migrated legacy PHP monolithic systems to Go microservices (Redis, MySQL, and AWS Aurora)
- Created an image moderation system, identifying and removing banned content of over 3 million images a month
- Led the integration of Sign In With Apple into the Wattpad ecosystem and maintenance of other SSO providers
- Pioneered the development and implementation of Wattpad Premium and Wattpad Paid Stories microservices

[University of Toronto Information & Technology Services](#), Toronto, ON

IT Helpdesk Analyst

09/2018 - 05/2019

- Delivered technical support to over 1150 students within the university network
- Proactively developed solutions to integrate new users into a 15-year-old infrastructure
- Upgrade networking equipment in areas, significantly enhancing optimizing overall network infrastructure

Education

[University of Toronto](#), Toronto, ON

Honours Bachelor of Computer Science Specialist

09/2014 - 04/2019