

TIMOTHY LOCK

me@timothylock.ca | timlock.dev | Seattle, WA

PROFESSIONAL SUMMARY

Results-driven Software Engineer with 7+ years of experience designing, building, and optimizing scalable backend systems and microservices. Proven expertise in cloud infrastructure (AWS, Kubernetes, Docker), API development, and system architecture. Track record of leading technical initiatives that improved performance by 62%, processed 80K+ requests per second, and mentored engineering teams. Passionate about clean code, system reliability, and delivering impactful solutions.

TECHNICAL SKILLS

Languages: Go (Golang), PHP, Java, Python, SQL, JavaScript, HTML

Cloud & Infrastructure: AWS, Kubernetes, Docker, Terraform, RDS, SQS/SNS, Grafana, Datadog, Dynatrace

Databases & Storage: PostgreSQL, MySQL, DynamoDB, Redis, Amazon Aurora

Tools & Platforms: Git, GitHub, Jira, PagerDuty, CircleCI, Travis CI, Kong API Gateway

Systems: Linux, Unix, macOS, Windows

PROFESSIONAL EXPERIENCE

Electronic Arts

Seattle, WA

Software Engineer

October 2023 - Present

- Architect next-generation Kubernetes cluster infrastructure to support game development pipelines and workflows
- Develop and deploy Kubernetes operators in Golang to automate cluster management and resource orchestration
- Design and enhance APIs enabling game studios to leverage shared infrastructure services efficiently
- Collaborate with cross-functional teams to improve system reliability and reduce deployment times
- Manage hundreds of Kubernetes clusters across AWS, GCP, Azure, on-prem for many game studios

Splashthat

Toronto, ON

Software Engineer

September 2021 - October 2023

- Deployed and optimized Kong API gateway, enhancing security, scalability, and performance through OAuth 2.0
- Implemented intelligent rate-limiting solution that blocked over 5,000 requests/second from malicious actors
- Developed Go microservice template driving company's migration to scalable microservice architecture
- Created and managed event-driven integrations via APIs to Salesforce AppExchange, Marketo, HubSpot, and other enterprise platforms
- Optimized high-traffic API endpoints through SQL query optimization, achieving 62% improvement in response times
- Led agile ceremonies including standups, roadmap planning, and sprint planning while mentoring junior engineers

Wattpad

Toronto, ON

Software Engineer

June 2019 - September 2021

- Developed multiple backend microservices handling 80,000+ client requests per second for 90 million active users
- Modernized and migrated legacy PHP monolithic systems to Go microservices using Redis, MySQL, and AWS Aurora
- Built automated moderation system processing 3+ million images monthly, identifying, removing banned content
- Led integration of Sign In With Apple and maintained OAuth integrations with Google, Facebook, and other SSOs
- Pioneered development of Wattpad Premium and Wattpad Paid Stories microservices, contributing to revenue growth

Wattpad*Associate Software Engineer*

Toronto, ON

May 2017 - September 2018

- Contributed to backend development of core platform features serving millions of users daily
- Collaborated with senior engineers on system design and code reviews, accelerating professional growth
- Developed additional integrations for ad exchanges within the online platform

University of Toronto - Information & Technology Services*IT Helpdesk Analyst*

Toronto, ON

September 2018 - May 2019

- Delivered technical support to 1,150+ students within the university network, achieving high satisfaction ratings
- Developed innovative solutions to integrate new users into 15-year-old legacy infrastructure
- Upgraded networking equipment across campus, significantly enhancing overall network performance and reliability

EDUCATION

University of Toronto*Honours Bachelor of Science - Computer Science Specialist*

Toronto, ON

September 2014 - April 2019