

Roger Lam

415-513-2396 | Los Angeles, CA | mrlamroger@gmail.com | [linkedin.com/in/lam-roger](https://www.linkedin.com/in/lam-roger) | github.com/lamroger

EXPERIENCE

Software Engineer

June 2022 – August 2023

Chan Zuckerberg Initiative

Mountain View, CA (Remote)

- Developed and maintained Along, a free educational tool catering to K-12 students. Actively engaged in all facets of full-stack development, with a emphasis on infrastructure and backend systems.
- Acted as a key driver in the successful implementation of Tonic.ai for data de-identification, collaborating with the data team and cross-functional engineers to ensure secure and privacy-compliant data handling.
- Led a team of three to manage all operational, on-call, and incident responsibilities for multiple quarters.
- Proactively introduced OpenTelemetry for standardized monitoring and logging through the proposal and leadership of a hackathon project, which transitioned into an ongoing initiative within the core infrastructure team.

Software Engineer

October 2020 – June 2022

Paperspace

Brooklyn, NY (Remote)

- Architected and implemented machine learning model versioning through the creation of a data storage abstraction, facilitating efficient management of models and datasets.
- Facilitated the utilization of private Docker images for Deployments by crafting and implementing robust credential management within a multi-tenant cluster, ensuring enhanced security.
- Led and executed the migration of hub and spoke Kubernetes cluster from version 1.15 to 1.16, ensuring a seamless transition for both managed and self-managed customer clusters.

Software Engineer - Backend / Infrastructure

October 2017 – October 2020

Nava PBC

Washington, DC

- Developed and maintained an API for the Center for Medicare and Medicaid Services (CMS) QPP Program to providers to submit performance data and get reimbursed more for providing better care.
- Redesigned and developed a file anti-virus API for CMS internal services. Coordinated the migration of 10+ existing government applications to integrate with the new API.
- Supported junior engineers on the team by identifying suitable project and supported their success by pairing and finding opportunities to share learnings. Led internal programs, such as engineering department-wide monthly meetings and Infrastructure Guild.

Software Engineer - Infrastructure

March 2017 - October 2017

Karius

Redwood City, CA

- Surfaced critical metrics and improved monitoring, logging, and alerting for end-to-end observability of the sequencing pipeline.
- Designed and developed a robust, well-tested, and metrics-focused DNA sequencer file uploader as a critical part of the pipeline.

Software Engineer - Infrastructure

June 2014 - August 2016

OpenGov

Redwood City, CA

- One of two engineers responsible for operating SaaS serving 100's of governments. 24/7/365 on-call.
- Designed and developed tooling such as automated server deployments via Chef, and an automated server termination service.
- Planned and implemented dockerization of the central Node.js application - including documentation and training for streamlined development.

EDUCATION

UCLA

Los Angeles, CA

Bachelor of Science in Mathematics of Computation

2010 – 2014

TECHNICAL SKILLS

Languages: Ruby, Typescript, JavaScript, SQL (Postgres), HTML/CSS

Frameworks: React, Node.js, Rails, Kubernetes, Terraform

Developer Tools: Git, Docker, AWS, Heroku, Github Actions, Datadog, Sentry, Argo Workflows, Helm