

Peter J. Li

Systems Software Engineer.

github.com/peteli3
linkedin.com/in/peteclimbs
(516) 652-3985
pl.climbs@gmail.com

EXPERIENCE

Akamai — Senior Software Engineer

DEC 2022 - PRESENT | Remote | Key Management Infrastructure

- Implemented OAuth flows in core secrets management APIs and our team CLI to improve security posture
- Productized our team CLI and modernized our REST API for self-service, reducing our request burden on SREs by over 50%
- Created video demos to promote team offerings and recommended secrets management practices
- Extended Akamai secrets management solutions to trusted workloads in Linode, our newly acquired Compute platform

Akamai — Software Engineer II

JUL 2019 - DEC 2022 | Remote | Key Management Infrastructure

- Integrated our services with Azure and AWS IAM to standardize secrets handling in hybrid cloud development at Akamai
- Created and maintain libraries that simplify both human and machine authentication to Azure and AWS
- Forked and productized OSS hashicorp/vault into a SaaS offering for the Akamai Private Cloud project, which reduced cloud spend by >\$10m in its first year in production

Akamai — Software Engineering Intern

JUN 2018 - AUG 2018 | Cambridge, MA | Key Management Infrastructure

- Designed, built, and shipped a highly-requested search bar feature for my team's web UI, using Elasticsearch

PROJECTS

Buildings App

AUG 2023 - PRESENT | Self

- Actively using and developing a custom web app for my family's small Rental Property Management business (< 100 units)
- Built with OSS and hosted at negligible cost on Linode
- I'm trying to making this SaaS ready as a pet project

P4_16 Portable Switch Architecture

JAN 2019 - JUN 2019 | P4 Language Consortium

- Made OSS contributions to the p4c compiler and bmv2 network switch simulator to support the new PSA specifications
- Led a team of 7 engineers - completed project to the satisfaction of the P4 Architecture WG, and presented at ONF P4 Workshop 2019

LANGUAGES

Python | Rust | JavaScript
SQL | OCaml | P4

INTEREST AREAS

Distributed Systems, Security,
Networks, UX, Teaching

TECHNOLOGIES

Linux | Docker
Linode | Azure | AWS
HTMX | React
Vault | Terraform

EDUCATION

Cornell University

Ithaca, NY | AUG 2018 - MAY 2019
M.Eng in Computer Science
CS Teaching & Research

Cornell University

Ithaca, NY | AUG 2014 - MAY 2018
B.S. in Computer Science
CS Teaching

HONORS

- Dean's List x4
- Excellence in teaching