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\$ whoami # an existential question...

Automating the boring stuff with *security*, *scalability*, and *cost* in mind. **Developing** full-stack software with Rust.

Sharing knowledge with talks, docs, and writing. **Open Sourcing** general purpose and re-usable solutions.

Server-Side Dev Rust (Bevy, Axum, Tokio), Golang, Python, Linux (NixOS, Debian, Ubuntu, RedHat, Amazon).

Platform Engineering Terraform, Nomad, Packer, Kubernetes, Docker, AWS (IAM, RDS, S3, EC2), git & GitHub.

Leadership Technical Lead Manager @ Lob.com, Linux Users Group @ Oregon State U, Conference Speaker.

AI Collaboration Working with tools like Claude Code, Cursor, Co-Pilot to improve dev speed and code quality.

\$ jobs # work i'm doing and have done.

Lob (Remote @ Portland, OR) **Senior Platform Engineer, Technical Lead Manager** 04/2021 - Present

- **Cattle Infra.** Designed, managed, provisioned ephemeral, resilient, and reproducible infrastructure.
- **Observability.** Migrated our services from a flaky self-hosted ELK stack to managed DataDog Logs.
- **CI/CD.** Created re-usable GitHub Actions to automate build & deploy for most of our services.
- **Re-Platformed.** Migrated our services from AWS ECS to Hashicorp Nomad with zero downtime.
- **Cost Management** Audited and optimized AWS bill with cost savings and reserved instances.
- **Maintenance.** Ran zero-downtime maintenance of critical infrastructure like RDS and ElasticSearch.

CloudBolt Software (Portland, OR) **Software Engineer** 04/2019 - 03/2021

- **Python.** Integrated our product with Cloud APIs like AWS, Google Cloud, and Hashicorp Terraform.
- **Tooling.** Created CI/CD pipelines for internal tooling and customer facing software releases.

Nordstrom Technology (Seattle, WA) **Linux DevOps (Engineer 2)** 03/2017 - 08/2017, 02/2018 - 04/2019

- **DevOps.** Wrote Chef Cookbooks for business critical Linux and Solaris systems in our data centers.
- **Telemetry tooling.** Wrote custom software in Go to report Prometheus metrics for legacy systems.

CoreOS (San Francisco, CA/Remote) **Documentarian** 09/2016 - 05/2017

- **Migration Docs.** Reviewed, tested, and contributed to public facing Kubernetes developer docs.

Oregon State University Open Source Lab (Corvallis, OR) **Software Developer** 05/2014 - 09/2016

- **Iteration Cycles++.** Decreased time-to-deploy by integrating Docker into test/development workflow.
- **Mentorship.** Taught student devs “real world” work skills like git, tracking work, using frameworks.

\$ history # school and extracurricular activities.

BSCS - Oregon State University (Corvallis, OR) **Undergraduate (GPA 3.53)** 09/2013 - 12/2017

- **Major: Computer Science.** Curriculum included Operating Systems I/II, Software Engineering I/II, *Defense Against the Dark Arts (ask me about it)*, Programming Languages, Data Structure, Databases, Web Development, and a Capstone Project with the Apache Software Foundation.
- **Minor: Math & Security.** Coursework included Cryptography I, Linear Algebra, Numerical Analysis, Computational Number Theory, and self-guided course on Advanced Topics in Cryptography.

OSU Linux Users Group (Corvallis, OR) **President** 09/2014 - 09/2017

- **Running the Show.** Scheduled in-person speakers from IBM, Nordstrom, CoreOS, Mozilla, and Google to present, recruit, and host discussions. Events like Linux Installfest, Flame-War Debates.
- **URL.** <https://lug.oregonstate.edu>

DevOps BootCamp (Corvallis, OR)

Educator 09/2014 - 06/2015

- **Lecturer.** Co-presented weekly lessons, improved curriculum, mentored students in-person & online.
- **URL.** <https://devopsbootcamp.osuosl.org/>

\$ more # stuff that doesn't fit above.

Indie Gamedev (Portland, OR)

Hobbyist 2019 - Present

- **Programming Games in Rust.** Using the Bevy Game Engine. Sometimes I even ship them!
- **URL.** <https://games.elijah.run/>

Conference Talks (California/Remote)

Public Speaker

- **Replatforming with Minimal Drama and Downtime.** Lob's migration from ECS to Nomad.
 - **Hashitalks 2023.** <https://youtu.be/KSmq524eQuQ>
- **Crypto: Pratical Math.** Advanced topics in Cryptography, made easily digestible.
 - **SCALE, 2016.** <https://youtu.be/ddeV3pESy3Y?t=2h10m4s>