

Zach Sherman

I build tools for developers

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[github](#) / [personal](#) / [portfolio](#)

Oakland

ngrok — — — — — (October 2021 - now), Infrastructure Engineer

- Owned logging and observability infrastructure. Integrated and configured [vector](#) (logging), [veneur](#) (service metrics), [datadog agents](#) (platform metrics) to balance performance and robustness. Migrated from cloudwatch to **datadog** logs, helping developers to correlate issues across various services and data sources. Used the [otel-collector](#) and [honeycomb](#) to promote a tracing-first approach to observability.
- Cut CI times in half while improving coverage. Migrated from **CircleCI** to self-hosted [drone](#) + [buildkit](#) running on **Kubernetes** and AWS **EC2**. Automated end-to-end tests, developer environment bootstrapping tests, various unit tests and lints, image builds and nix cache population.
- Led UX improvements to the monorepo developer environment. Used [nix](#) to manage external dependencies and system bootstrapping. Maintained the monolithic dev-tools-cli written in **go**. Used a custom **typescript** program to abstract **kubernetes** + **docker** configs into simpler interfaces for product engineers.
- Owned packaging of the ngrok agent. Developed and maintained [docker](#), [snap](#), [homebrew](#), and [chocolatey](#) packages for the ngrok agent. Automated releases with **go** and **drone**.
- Other misc. things I used: Terraform, AWS (EKS, EC2, ECR, IAM, Route53), kubernetes metrics-server + cluster-autoscaler, bash (with extreme caution), rust, k3s, Sentry, Helm, Buildkite

Repl.it — — — — — (April - May 2020), Full-Stack Engineer (contract)

- quickly learned **Apollo**, **GraphQL**, and **PostgreSQL** to build a new system for publishing and sharing repls in an unfamiliar codebase

Open Work Labs — — — — — (July - Nov 2019), Full-Stack Engineer

- built a variety of experimental products using **React** + **Redux** **NodeJS**, **web3.js**, **MongoDB**

University of Chicago — — — — — (2015-19), Undergraduate

- GPA:** 3.6 + Dean's List all four years
- Studies:** B.A. in Latin American Studies, minor in Media Arts and Design, significant coursework in Computer Science, and [a thesis](#) about early net art
- Organizing:** led progressive campaigns and [direct actions](#) on- and off-campus, winning [numerous victories](#) around Chicago
- Art:** made a bunch of [weird net art](#) and staged some cool tech-enhanced [concerts](#)