

Zachary Sherman

I build tools for developers

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

ngrok ————— (October 2020 - now), Infrastructure Engineer

- *Configuration*: Led the ongoing design and maintenance of a custom **typescript** program that allows developers to change environment, cluster, service configurations and infrastructure without diving into YAML (or terraform) hell. Early on, worked directly with the CEO to completely refactor the program to improve ergonomics before becoming lead maintainer.
- *CI*: Cut e2e-test times from 40min to 15 and unit tests from 15min to 5 using node-local caching and a parallel task runner written with [bubbletea](#). Increased overall system stability via a migration to [buildkite](#) with an EC2 group of buildkite agents running on [nixos](#).
- *Developer environments*: Used [nix](#) to manage external dependencies, [nix-direnv](#) to automatically load the devenv into your shell environment. Wrote a **terraform** module and **nixos** module for automatically initializing developer VMs. Maintained the monolithic dev-tools-cli written in **go**.
- *Agent packaging*: Developed and maintained [docker](#), [snap](#), [homebrew](#), and [chocolatey](#) packages for the ngrok agent. Automated releases with **go** and **buildkite**.
- *Observability*: Integrated and configured [vector](#) (logging), [veneur](#) and [datadog agents](#) (metrics). Setup [otel-collector](#) and [refinery](#) with [honeycomb](#) for tracing data.

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

- quickly learned Apollo, GraphQL, and SQL to build a new system for sharing repls

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

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

Personal Projects —————

- [e-worm.club](#) - wrote a little site for my friends where everyone gets their own page and css. the server serves both [gemini](#) and http traffic. [written in rust](#).
- a bunch of [weird net art](#), one cool tech-enhanced [concert](#), and [other misc toys](#)

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
- **Community organizing**: led progressive campaigns and [direct actions](#) on- and off-campus, winning [numerous victories](#) around Chicago