

Zach Green

Web Developer at Settlor, in Denver, Colorado.

zachgreen.codes
zachjamesgreen@gmail.com
github.com/zachjamesgreen
linkedin.com/in/zachjamesgreen

Full-stack work on the in-house platform a title and escrow company runs on: Python, Flask and PostgreSQL on the back end, Vue and TypeScript on the front end. I want to know why things work, and I keep my tools and dependencies current.

Experience

Web Developer | Settlor

Dec 2021 to present

A title insurance and escrow company that runs on its own software: an internal operations platform for title, closing, escrow accounting and e-recording, client portals for lenders and agents, and a public API.

- Led a cross-repo upgrade to Python 3.14 on new Debian base images in 2026: got the code ready for SQLAlchemy 2.0, moved to Node 24, pinned exact dependency versions and gated image builds on vulnerability scans. About 650 commits across about 23 repositories.
- Built a remote print service end to end, as its only developer: a Windows service at office sites that takes print jobs from the cloud app and drives local printers over IPP, with a job queue, retries, a web admin page and a signed installer.
- The largest single contributor to the in-house Vue design system, with about 400 of about 1,300 commits, and to moving screens off the older Vue.
- Built FastAPI endpoints for the public API, led the move to schemas written natively for the latest version of Pydantic, and rolled out type checking with ty, advisory first and then blocking.

Back End Software Engineer | Fairwinds Ops

Sep 2021 to Nov 2021

Built Go features for the Insights product.

Line Cook | Bluegrass Lounge

Sep 2020 to May 2021

Sous Chef | Blake Street Tavern

Jan 2019 to Feb 2021

Ran food prep, wrote procedures, trained staff and managed inventory.

Software Engineer | ShipOffers

Mar 2015 to Oct 2016

Built Ruby on Rails features for an order management system, plus daily accounting reports.

Hospital Corpsman | United States Navy

Feb 2010 to Feb 2015

Gave emergency, standard and routine medical treatment to service members.

Project

tagshelf

Go, for Windows and Linux, since Oct 2026

Sorts audio files into a music library by their tags. It sets identical copies aside instead of deleting them, and records every move so a run can be undone.

- A CLI for runs, and a terminal UI for the files that need a person: fixing tags, MusicBrainz lookups, choosing which duplicate to keep.
- Static builds for Windows (amd64) and Linux (amd64 and arm64) that need no C library, with CI on GitHub and checksummed releases.
- Does a dry run first, never deletes an audio file, and migrates its own database on upgrade, keeping a backup of the old one.

github.com/zachjamesgreen/tagshelf

Skills

Languages Python, TypeScript, Go

Back end Flask, FastAPI, Pydantic, SQLAlchemy, Alembic, PostgreSQL, Celery, Redis, WebSockets

Front end Vue, Vite, Pinia, Storybook

Testing Vitest, Playwright

Infrastructure Docker, Kubernetes, Helm, GitHub Actions, Google Cloud

Education

Back-End Engineering

| Turing School of Software & Design

Feb 2021 to Oct 2021

Student Leadership Committee Representative and Black at Turing Representative.