

Zach Bellay

[/zachbellay](https://github.com/zachbellay)
zachbellay.com
[/in/zachbellay](https://in.linkedin.com/in/zachbellay)
zbellay@gmail.com
[\(425\) 444-7070](tel:(425)444-7070)

Experience

COMPASS REGULATORY (AgTech Compliance SaaS) | FOUNDING ENGINEER

Mar 2024 – Present

San Francisco, CA

- Architected multi-tenant SaaS platform to track agricultural product registrations, licenses, permits, and reports for dozens of enterprise clients using Django, PostgreSQL, HTMX, and Tailwind.
- Built dynamic form builder and workflow management system for complex regulatory compliance data, replacing brittle spreadsheet processes with structured database-driven operations.
- Implemented core enterprise features including audit logging, user management, notifications, and bulk processing workflows for large-scale regulatory compliance operations.

RINSE (LAUNDRY DELIVERY STARTUP) | FULL STACK ENGINEER

Feb 2023 – Present

San Francisco, CA (Remote)

- Spearheaded B2B features for US Open 2023, driving significant six-figure revenue.
- Created SMS automation, boosting Google Reviews by 1.7 stars on average across all Rinse locations.
- Built a customer self-service claims form, slashing operational costs and boosting user satisfaction.
- Developed an internal bug reporting tool, cutting bug resolution time by 43% and enhancing bug detection.
- Enhanced team efficiency by integrating Python linter, formatter, and dependency manager.

ONEPOINTONE (INDOOR VERTICAL FARMING STARTUP) | SOFTWARE ENGINEER

Jun 2020 – Aug 2022

San Jose, CA (Remote)

- Created a deep learning-based plant analysis service to detect seed germination rate, leaf size, and leaf class.
- Developed software to seamlessly stitch 780 warped close-up images into a single, detailed virtual camera view.
- Implemented GraphQL endpoints for efficient farm entity management and command execution.
- Built a RESTful CRUD backend with SQL for robust management of all farm imagery.

Projects

HNRESUMETOJOBS.COM | (JOB MATCHING WEBSITE FOR HACKER NEWS WHO'S HIRING)

March 2023 – June 2023

- Developed a website to match jobs seekers to job postings from Hacker News' monthly Who's Hiring post.
- Reached #1 on Hacker News for 16 hours. Received 40,000+ unique resumes to date, with 2,000+ unique visitors per month.

PODSCRIPTION.APP | (PODCAST TRANSCRIPTION WEBSITE)

Oct 2022 – Feb 2023

- Developed a website that utilizes OpenAI Whisper to transcribe podcasts automatically and enable users to search for keywords within podcasts.

SCU-COURSE-EVALS.COM | (RATE MY PROFESSOR FOR SANTA CLARA UNIVERSITY)

Dec 2019 – Feb 2020

- Launched website for students to get course and professor reviews with 1,100+ monthly unique visitors.
- Scraped 25,000+ course evaluations from Santa Clara University's course evaluation system.

Education

SANTA CLARA UNIVERSITY

Santa Clara, CA

Master of Science in Computer Science and Engineering

2019 – 2020

Thesis: Deep Learning Methods for Efficient Image Coding

Bachelor of Science in Computer Science and Engineering

2015 – 2019

Skills

Languages: Python, TypeScript, C/C++, HTML/CSS, Bash, SQL, Node.js

Frontend: React, Next.js, Tailwind CSS, Redux, jQuery, Bootstrap

Backend: Django, FastAPI, Flask, GraphQL, PostgreSQL, SQLite, Redis, Celery

Cloud/Devops: AWS, Docker, Docker Compose, Git, GitHub Actions

Machine Learning: Pytorch, OpenCV, Scikit-learn, Numpy