

# Matt Roth

Fullstack Web Developer | [mattroth.dev@gmail.com](mailto:mattroth.dev@gmail.com) | [www.mattroth.dev](http://www.mattroth.dev) | (747) 333-6262 | Los Angeles, CA  
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## TECHNICAL SKILLS

- **Programming Languages:** JavaScript ES6+, TypeScript, Python 3, HTML, CSS, SQL
- **Front End:** React, Redux, Django Templates, Jinja, Websockets, Bootstrap
- **Back End:** Django 4, FastAPI, RabbitMQ, PostgreSQL, GraphQL, MongoDB, Docker
- **System Design:** Monoliths, Microservices, Domain-Driven Design, Heroku, CapRover, Kubernetes

## APPLICATION DEVELOPMENT EXPERIENCE

**GalKirk** | Fullstack Engineer

2023

*Curriculum planning tool used by Hack Reactor Staff.*

- Converted an existing app using React/Django/Heroku to React/FastAPI/Kubernetes
- Improved the “Day Editor” modal by ensuring the “Week Number” input always references the correct week, and improved overall page responsiveness by utilizing the Redux “refetch” method
- Took ownership over the Heroku to Kubernetes/GKE transition

**Lyra** | Software Engineer | [gitlab.com/terminal-tyrants/band-managing-app](https://gitlab.com/terminal-tyrants/band-managing-app)

2022

*Live song request application that allows a band to make their song repertoire visible to audience members, who can then submit a live request for that song*

- Used Docker, Django, PostgreSQL, and Heroku to create a microservice architecture that accurately showcased the MVP for this product and laid the groundwork for future horizontal and vertical scaling
- Leveraged JWTs to handle authorization and authentication across microservices
- Utilized React hooks and functional components

**Interactive Avatar Generator** | Fullstack Web Developer

2020

*Tool designed to give students the option to create and set an avatar as their profile picture*

- Utilized React/Typescript, Django, and an SVG asset library (Avataaars) to create an avatar generator
- Stored SVG data directly in the database as the avatars were made of simple shapes and the resulting URI length was well within our database size constraints

**Vocabulary Database/Study Tool** | Fullstack Web Developer

2019

*Database and frontend tool used to study common ACT/SAT/MCAT words*

- Designed the database so a single word could have associations with all relevant tests, as well as any teacher-created study guides
- Designed the UI so that non-technical employees would not need to understand the database relations working behind the scenes. The user can manage a word by adding additional “categories”

## PROFESSIONAL EXPERIENCE

**Galvanize Inc.** | *Software Engineering Immersive Resident* | Remote

2021 - Present

- Assisted Hack Reactor instructors in teaching the bootcamp curriculum
- Provided code support, debugging assistance, and code review for 60+ bootcamp students

**Acclaim Academic Institute** | *Fullstack Web Developer* | La Palma, CA / Remote

2019 - 2021

- Worked with TypeScript/React and Django to build a vocabulary database and study tool, an interactive avatar builder for student accounts, and a homework status monitor
- Improved an existing interactive, shared Python IDE by hiding long load times behind moments of user inactivity, which was made possible by a “talking stick” mechanic

**Ilinx Studios** | *Web Developer Intern* | Hollywood, CA

2019

- Worked on a 5 person dev team to develop the MVP for an educational stock trading game
- Participated in design discussions regarding user login behavior, and helped implement the design decisions with Flask and Jinja templates
- Helped configure a polling service that retrieved and stored real-time stock prices

## EDUCATION

**Hack Reactor** | Remote | *Software Engineering Immersive Certificate 1000+ Hours of Coding*

2022

**University of California Santa Barbara** | Goleta, CA | *B.A Biological Anthropology*

2018

**Pasadena City College** | Pasadena, CA | *A.A. Anthropology, A.A. Italian*

2016