

Matt Roth

Fullstack Web Developer | mattroth.dev@gmail.com | www.mattroth.dev | (747) 333-6262 | Los Angeles, CA
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TECHNICAL SKILLS

- **Programming Languages:** JavaScript ES6+, 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 “refresh” method.
- Took ownership over the Heroku to Kubernetes/GKE transition

Lyra | Software Engineer | 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