

HUSE KIVRAK

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TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML, CSS, TypeScript

Frameworks/Libraries: React, Flask, Django, Node.js, Express, Vite.js, Django Rest Framework

Database Management: PostgreSQL, SQLAlchemy, AWS S3

Testing: Jest, React Testing Library, Coverage.py, Jasmine, unittest, PyTest

Tools: Agile Methodologies, RESTful APIs, Test Driven Development, Axios, Git, Webpack, Insomnia, Figma

SOFTWARE ENGINEERING EXPERIENCE

Rithm School

San Francisco, CA (Remote)

Software Engineering Intern

May 2023 - June 2023

- Refactored and implemented functionality within an 81k LOC learning management system using Python and Django.
- Designed and integrated a lightning talk library application, integrating IBM Watson for improved searchability.
- Created a unique “your cohorts” page, improving material accessibility for students enrolled in multiple cohorts.
- Developed a comprehensive testing strategy using model factories with factory_boy, maintaining 98% coverage.
- Delivered code through agile practices, engaging in 1-week sprints and daily stand-ups with development team.

TECHNICAL PROJECTS

Real-time Social Messaging App Flask | Jinja | SQLAlchemy | PostgreSQL

[Live Demo](#) | [GitHub](#)

- Built a scalable and secure Twitter clone with post, like, and follow functionalities.
- Designed object-oriented data models that handle ‘one-to-many’ and ‘many-to-many’ relationships.
- Employed Bcrypt to implement one-way password encryption and ensure secure user authentication.

Job Application Site Express | React | PostgreSQL | Bootstrap

[Live Demo](#) | [GitHub](#)

- Developed a full-stack SPA with RESTful API consumed via Axios.
- Implemented secure authentication and authorization routes for users using JSON Web Tokens (JWTs).
- Maintained over 95% test coverage through test-driven development and comprehensive unit and integration tests.

Mobile Schedule App React Native | TypeScript

[GitHub](#)

- Designed and built a mobile application, improving UX/UI of daily event accessibility for students and staff.
- Efficiently managed and processed high-volume API data for optimized app performance.
- Instituted Expo Secure Store for cross platform JWT authentication and Django backend integration.

WORK EXPERIENCE

Science Museum of Long Island

December 2015 - July 2022

Director of Education

March 2021 - July 2022

- Collaborated with administrators and community leaders to organize 500+ events for students and families annually.
- Led a team of 6 teaching staff to develop and implement science programs across Long Island and NYC.
- Designed and taught weekly S.T.E.M workshops for middle schoolers, covering coding and engineering principles.

Program Coordinator

February 2020 - March 2021

Science Educator

December 2015 - February 2020

EDUCATION

Rithm School

San Francisco, CA (Remote)

Full Stack Web Development Bootcamp

2023

Clark University

Worcester, MA

B.A. Biology, Philosophy

2014