

# HUSE KIVRAK

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## TECHNICAL SKILLS

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

**Frontend:** React, React Native, React Testing Library, Next.js, jQuery, Axios, Jest, Jasmine

**Backend:** Node.js, Express.js, Flask, Django, PostgreSQL, Prisma, SQLAlchemy, PyTest, unittest

**Other:** Integration test, Git, Github, AWS, Debugging, TDD, OOP, Figma

## SOFTWARE ENGINEERING EXPERIENCE

Rithm Student Information System

San Francisco, CA

**Software Engineer Intern**

05/2023 - 06/2023

- Refactored and implemented functionality within 81k LOC learning management system using Python and Django
- Built lightning talk library application with AWS S3 media storage and IBM Watson integration for optimized searching
- Implemented a cohort listing application, improving material accessibility for students enrolled in multiple cohorts
- Developed a comprehensive testing strategy using model factories with factory\_boy, achieving 98% coverage
- Delivered code through agile practices, engaging in 1-week sprints and daily stand-ups with development team

## PRIOR EXPERIENCE

Science Museum of Long Island

Manhasset, NY

**Director of Education**

05/2021 - 07/2022

- Led initiatives and cross-functional stakeholder collaborations reaching 15,000+ students, driving sustainable growth and engagement
- Took ownership of daily operations encompassing strategic planning, program administration, and staff management
- Pioneered data-driven insights with database audits, metrics analysis, and member feedback, enhancing operational efficiency
- Strengthened management software by implementing automated alerts, dynamic attendance handling, and simplified event creation

**Program Coordinator**

05/2020 - 03/2021

- Managed end-to-end educational programming and served as primary contact for clients, ensuring continuous product alignment
- Expanded computer science offerings using platforms like Scratch and Lego Mindstorms, broadening reach and boosting attendance

**Science Educator**

12/2015 - 05/2020

- Developed and taught STEM programs for K-12 students, community groups, and private events

## TECHNICAL PROJECTS

**Real-time Social Messaging App**

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

*A full-stack Twitter clone using Flask, SQLAlchemy, and PostgreSQL*

- Integrated SQLAlchemy's ORM with PostgreSQL for enhanced data operations and scalability
- Crafted data models that efficiently manage 'one-to-many' and 'many-to-many' relationships
- Utilized Bcrypt for robust password encryption and heightened user authentication security

**Job Application Site**

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

*A full-stack job search platform using React, Node, Express.js, and PostgreSQL*

- Built front-end UI with React, leveraging its efficient mounting to enhance site navigation UX
- Developed and tested REST API with Express and Jest to return filtered company and job results, providing tailored listings for users
- Implemented JWT-based authentication via custom middleware, securing API endpoints

**Mobile Schedule App**

[GitHub](#)

*A mobile event schedule application using React Native, TypeScript, and Expo Secure Store*

- Incorporated intuitive gesture controls within a modern UI, enhancing event interactions and user accessibility
- Optimized data fetches to minimize latency, facilitating real-time schedule updates
- Integrated with Django Rest Framework, enabling robust back-end support and data reliability

## EDUCATION

**Rithm School**

San Francisco, CA

Full Stack Web Development Bootcamp

06/2023

**Clark University**

Worcester, MA

B.A. Biology, Philosophy

05/2014