

# HUSE KIVRAK

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## TECHNICAL SKILLS

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

**Frameworks:** React, Django, PostgreSQL, Flask, Node, Express.js, Django Rest Framework, Next.js

**Tools:** Git, Github, Vercel, AWS S3

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

## EXPERIENCE

### Rithm SIS

#### Software Engineer Intern

05/2023 - 06/2023

- Refactored student information system using Python and Django, improving modularity and enhancing performance.
- Developed talk library application with Django, integrating AWS S3 for media storage and IBM Watson for advanced searching.
- Implemented cohort switching feature in Django to streamline user access, ensuring consistent site-wide authentication.
- Wrote unit and integration tests for comprehensive testing using factories, achieving 98% coverage.
- Delivered code through agile practices, engaging in 1-week sprints and daily stand-ups emphasizing CI/CD.

### Science Museum of Long Island

#### Director of Education

05/2021 - 07/2022

- Led initiatives reaching 15,000+ students, growing sustainable partnerships with over 800 annual clients.
- Implemented database metrics and client feedback to inform new offerings, boosting program revenue by 26%.
- Oversaw daily operations, driving cross-functional collaboration between trustees, staff, clients, and volunteers.

#### Program Coordinator

05/2020 - 03/2021

- Trained and supervised team of 6 educators on curriculum design, development, and implementation
- Collaborated with clients as primary contact, ensuring content alignment through clear direct communication.

#### Science Educator

12/2015 - 05/2020

- Delivered STEM programs for K-12 students, expanding CS curriculum with platforms like Scratch and Lego Mindstorms

## TECHNICAL PROJECTS

### Real-time Social Messaging App

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

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

- Designed backend in Flask, integrating SQLAlchemy's ORM with PostgreSQL to ensure scalability and improved querying.
- Integrated Bcrypt for password encryption to enhance user security and streamline authentication.
- Crafted data models using SQLAlchemy to efficiently manage 'one-to-many' and 'many-to-many' relationships.

### Job Application Site

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

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

- Developed responsive React frontend, applying live search and intuitive navigation for optimal user engagement.
- Created robust PostgreSQL database, leveraging ACID-compliant transactions and extensibility for system scalability.
- Designed REST API with Express to efficiently serve dynamic content while maintaining performance and flexibility.
- Wrote JWT-based middleware for stateless authentication, enhancing scalability and optimizing mobile access.

### Mobile Schedule App

[GitHub](#)

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

- Created responsive UI design with React Native to deliver consistent user experiences across platforms and devices.
- Optimized data fetches to reduce latency, ensuring users receive real-time schedule updates seamlessly.
- Integrated Django Rest Framework with React Native frontend to establish robust data support and reliability.

### Personal Website

*My personal site and blog using TypeScript, Next.js, and Vercel*

- Employed Next.js with TypeScript to build strongly typed website optimized for fast page loads and improved SEO.
- Integrated Markdownx blog with Contentlayer for smooth content management, enabling seamless and performant updates.
- Designed UI with Radix-UI, leveraging its accessible components with Tailwind CSS to craft responsive and inclusive interfaces.

## EDUCATION

**Rithm School** | Full Stack Web Development Bootcamp

06/2023

**Clark University** | B.A., Biology & Philosophy

05/2014