

HUSE KIVRAK

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SKILLS

Languages: TypeScript, JavaScript (ES6+), SQL, Python, HTML, CSS

Libraries & Frameworks: React, Next.js, Node.js, Express.js, Vite, PostgreSQL, Django, Django Rest Framework, Flask, Axios

Tools: Git, GitHub, AWS (EC2, S3), Vercel, Netlify, Webpack, Insomnia, Jinja, Figma, REST, JWT

Testing: Jest, React Testing Library, unittest

EXPERIENCE

Rithm School - SIS (Student Information System)

Software Engineer Intern

05/2023 - 06/2023

- Delivered new features and bug fixes across a live production codebase written with **Python** and **Django**.
- Developed a media storage Django app using **AWS S3**, integrating **IBM Watson** for enhanced search capabilities.
- Built a course toggling system, streamlining access for users while ensuring site-wide authentication.
- Collaborated with an **Agile** team, engaging in daily standups and contributing to week-long sprints.
- Wrote comprehensive unit tests with model factories to maintain **98% testing coverage**.

Science Museum of Long Island

Director of Education

05/2021 - 07/2022

- Led initiatives reaching 15,000+** students through partnerships with public and private institutions.
- Oversaw daily operations, driving **cross-functional collaboration** with staff, clients, and trustees to enhance strategic planning and team management.

Program Coordinator

05/2020 - 03/2021

- Trained and **supervised team of 6** educators on curriculum design, development, and implementation.
- Connected with clients as **primary contact**, ensuring content alignment through open and prompt communication.

Science Educator

12/2015 - 05/2020

- Delivered STEM programs for K-12 students; expanded programming offerings with Scratch and Lego Mindstorms.

PROJECTS

npSpeak | AI Voice Generator for Storytellers' Characters

[GitHub](#)

TypeScript, Next.js, React, AWS, PostgreSQL, Drizzle ORM, Supabase, NextUI, Tailwind CSS

- Built a full-stack text-to-speech (TTS) platform, integrating the **ElevenLabs API** to offer over 50 voice models.
- Developed **server actions** in Next.js, using **Supabase Auth**, **React Hook Form**, **Zod**, and **Drizzle ORM** to handle complex TTS workflows and ensure secure, validated, and efficient server-side processing.
- Created an accessible, responsive user interface with **NextUI** and **Tailwind CSS**, incorporating **dnd-kit** to create a **user-friendly, drag-and-drop soundboard** and **React Select** for advanced selection controls.
- Implemented audio storage solutions using **AWS S3** and **presigned URLs** to allow efficient and secure user access.
- Designed a **component hierarchy** integrating React Server Components with reusable UI elements, enhancing user experience by optimizing data fetching, reducing load times, and increasing security.

Jobly | Job Board App

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

JavaScript, React, Node, Express, and PostgreSQL

- Built **RESTful API** with Express to efficiently serve dynamic content to a single-page React front end.
- Wrote **JWT-based middleware** for stateless authentication and authorization for backend API routes.

Warbler | Microblogging App

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

Python, Flask, Jinja, PostgreSQL

- Implemented role-based authentication using sessions, **Bcrypt**, and custom middleware.
- Designed **like/follow functionality** driven by database relationships, allowing users to customize their feeds.

EDUCATION

Rithm School | Full Stack Web Development Bootcamp

2023

Clark University | B.A. Biology & Philosophy

2014