HUSE KIVRAK

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SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML, CSS
Libraries & Frameworks: React, Next.js, Node.js, Express.js, PostgreSQL, Vite, Django, DRF, Flask, Axios
Tools: Git, GitHub, AWS (EC2, S3), Webpack, Insomnia, Jinja, Figma, REST
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** among 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