

HUSE KIVRAK

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TECHNICAL SKILLS

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

Frontend: React, Next.js, React Native, jQuery, Axios

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

Tools: Git, Github, Vercel, AWS S3, Figma | **Testing:** Jest, React Testing Library, PyTest, unittest, Integration test

EXPERIENCE

Rithm

Software Engineer Intern

05/2023 - 06/2023

- Refactored extensive learning management system using Python and Django, improving modularity and enhancing performance
- Created a talk library application using Django, leveraging AWS S3 for media storage and IBM Watson for sophisticated search capabilities
- Built a cohort switching feature using Django, streamlining user access to materials across cohorts while maintaining sitewide authentication
- Wrote unit and integration tests for comprehensive testing using factories, ensuring code reliability and 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 and cross-functional stakeholder collaborations, driving sustainable growth and reaching 15,000+ students
- Oversaw daily operations encompassing strategic planning, program administration, and staff management
- Established data-driven insights by adding database metrics and customer feedback, improving efficiency and client relations
- Streamlined staff workflow by enhancing management software, implementing automated tasks and dynamic attendance tracking

Program Coordinator

05/2020 - 03/2021

- Managing end-to-end programming, ensuring content alignment with clients as primary contact
- Expanded computer science curriculum, incorporating hands-on platforms like Scratch and Lego Mindstorms

Science Educator

12/2015 - 05/2020

- Developed and taught hands-on STEM programs for K-12 students

TECHNICAL PROJECTS

Real-time Social Messaging App

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

- Designed a scalable backend in Flask, integrating SQLAlchemy's ORM with PostgreSQL to ensure scalability and improved querying
- Integrating 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

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

- Crafted a responsive React frontend, applying live search and intuitive navigation for optimal user engagement
- Built a robust PostgreSQL database, leveraging its ACID-compliant transactions and extensibility for system scalability
- Developed a 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

Personal Website

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

- Employed Next.js with TypeScript to build a type-safe website optimized for fast page loads and improved SEO
- Designed the interface with Radix-UI, refining its unstyled components with Tailwind CSS for a responsive and accessible interface
- Integrated a Markdownx blog utilizing Contentlayer for smooth content management, enabling seamless and performant updates

Mobile Schedule App

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

- Created a 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
- Integrated Django Rest Framework with React Native frontend to ensure robust data support and reliability

EDUCATION

Rithm School | Full Stack Web Development Bootcamp

06/2023

Clark University | B.A., Biology & Philosophy

05/2014