HUSE KIVRAK

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TECHNICAL SKILLS

Languages: JavaScript, Python, TypeScript, SQL, HTML, CSS, Regex, Markdown
Frontend: React, React Native, React Testing Library, Next.js, jQuery, Axios, Jest, Jasmine
Backend: Node.js, Express.js, Flask, Django, SQLAlchemy, PostgreSQL, MongoDB, Pytest
Other: Unittest, Integration test, Git, Github, AWS, Debugging, TDD, OOP, Figma

WORK 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 media storage, integrating IBM Watson 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

Science Museum of Long Island   Manhasset, NY
Director of Education   05/2021 - 07/2022
- Spearheaded initiatives reaching over 15,000 students annually. Established and fostered collaborations with diverse stakeholders, driving community engagement and generating sustainable growth
- Oversaw daily operations encompassing strategic planning, program administration, and staff management
- Instituted database audits, metrics tracking, and customer surveys, enabling data-driven insights and enhanced operational efficiency
- Refined management software with automated renewal alerts, dynamic attendance management, and streamlined 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 across Long Island and New York City

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*