Bret Rosen

Full Stack Developer

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SKILLS

Frontend: React, Redux, JavaScript, HTML, CSS
Backend: Python, SQL, PostgreSQL, SQLAlchemy, Sequelize, Express, Flask
Key Skills: Pair Programming, Object-oriented Programming (OOP), Test-driven Development (TDD), Agile Project Management, Debugging

PROJECTS

Debate My Professors, *Full Stack Project* - React | Flask   Live Link | GitHub Repo
A clone of the website Rate My Professors.
- Designed a database to allow users to interact with an intricately interconnected set of tables.
- Utilized the random module in Python to generate a robust database.

Foxtrot, *Full Stack Project* - React | Flask   Live Link | GitHub Repo
A clone of the website Robinhood.
- Implemented a daily price chart with the Chart.js package to render a line graph updating in real-time.
- Incorporated the Finnhub API to display updated information about financial assets.

BookfairBnb, *Full Stack Project* - React | Express   Live Link | GitHub Repo
A clone of the website AirBnb.
- Integrated a React Redux frontend server with an Express backend server to dynamically render HTML.
- Added AWS S3 to allow users to upload images, decreasing page load times and server load [TODO].

EXPERIENCE

Line Cook   November 2018 - January 2020
Kado no Mise, Minneapolis
- Executed seasonal menu based on daily reservations and guest dietary restrictions.
- Created menu items as product inventory and season dictated to ensure guest satisfaction and minimal waste.

High School Teacher   September 2011 - June 2017
Zibo Experimental High School, Zibo, China
- Taught courses in math, science, computing, English, and physical education.
- As student registrar, developed a cloud-based grading system and trained staff in its use, increasing parent engagement and improving school record-keeping.

Systems Engineer   July 2003 - June 2008
Federal Aviation Administration, Oklahoma City
- Coordinated procurement and testing of ILS equipment within the framework of FAA requirements.
- Wrote extensive documentation of testing procedures/results and equipment maintenance.

EDUCATION

App Academy, *Full Stack Development*   Jan 2023 - July 2023
Learned computer science fundamentals and the necessary skills to develop a full-stack web application from scratch.
Harvey Mudd College, *Bachelor of Science in Mechanical Engineering*   September 1999 - May 2003
Graduated with a general engineering degree, concentrating in mechanical engineering.