Alex Wright

Software Developer

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Technical Skills

Languages: JavaScript, Python

Databases: PostgreSQL, SQLAlchemy, Sequelize

Frontend: React, Next.js, Tailwind CSS

Backend & APIs: Flask, Express.js, Node.js

Tools: Docker, Git, Redux Toolkit, VS

Technical Projects

- **Guide Finder** | Live | Github - Python, Flask, SQLAlchamy, Docker, Redux, Toolkit
Created an advanced search and filtering system with React, Flask, and PostgreSQL, allowing users to find outdoor guides by activity type, location, and skill level. Optimized backend API performance with SQLAlchemy, reducing query times and ensuring a seamless user experience. Implemented secure authentication with Flask and bcrypt, safeguarding user data and access control.
- **Mortgage Calculator** | Live | Github - Next.js and tailwind.css
Developed a real-time mortgage calculator using Next.js, dynamically updating loan details based on user input for an interactive experience. Designed an amortization table with JavaScript array mapping to provide a precise breakdown of payments. Styled with Tailwind CSS for a modern, minimalist user interface, ensuring clarity and ease of use.
- **Lovely Paws** | Live | Github - Python, Flask, SQLAlchamy, Docker, Redux, Toolkit
Developed a fully responsive pet boarding reservation platform using Flask, SQLAlchemy, and React, ensuring smooth navigation on all devices. Built a RESTful API to manage pet reservations efficiently with optimized relational queries. Containerized the application with Docker, ensuring consistent development and deployment across different environments.
- **Migration Station** | Live | Github - Express, SQL, React, Redux
Engineered a dynamic property listing and booking system using React and Express, enabling real-time updates and intuitive user interactions. Implemented session-based authentication with cookies to maintain secure and persistent user sessions without exposing credentials. Optimized database queries with Sequelize and PostgreSQL, reducing response times and ensuring scalability as listings grow.

Professional Experience

Licensed Realtor (2019–2025): Negotiated real estate transactions by analyzing market trends, developed marketing campaigns to increase sales, and advised clients on investments, driving repeat business and referrals.

Program Manager, EXOS at Google (2015–2019): Led a team of 50+, improving retention by 30% through data-driven strategies. Streamlined operations with process automation, increasing efficiency and reducing costs.

Education

- **App Academy**: Full-Stack Software Engineering Bootcamp, 2025
  - Nearly 1000 hours of lectures and hands-on learning, both solo and in teams.
- **San Jose State University**: BS in Kinesiology, 2012