

Alex Wright

Software Developer

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I'm a passionate full-stack software engineer with a unique background in program management and real estate. My journey into software development began with an intensive six-month bootcamp at App Academy, where I honed my skills in building modern, user-focused web applications.

Today, I thrive on creating innovative solutions to complex problems, combining technical expertise with a knack for collaboration and adaptability. With hands-on experience in JavaScript, Python, React, Redux Toolkit, Flask, and SQL, I've successfully built scalable, high-performance applications from scratch. Whether it's developing responsive frontends, designing efficient backend APIs, or optimizing user experiences, I enjoy every step of the process.

Before transitioning to tech, I spent years managing teams and delivering results in high-pressure environments. As a Program Manager at EXOS, I led a team of over 50 employees, achieving significant growth and honing my leadership and analytical skills. My career in real estate further sharpened my client-focused approach and ability to navigate complex systems—skills that now complement my engineering work.

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

Migration Station | [Live](#) | [Github](#) - Express, SQL, React, Redux

- **Engineered** a dynamic property listing and booking system with **React and Express.js**, enabling real-time updates and intuitive user interactions.
- **Implemented** session-based authentication using **cookies**, maintaining secure and persistent user sessions without exposing credentials.
- **Optimized** database queries using **Sequelize with PostgreSQL**, reducing response times for search and booking functionality, ensuring scalability as listings grow.

Lovely Paws | [Live](#) | [Github](#) - Python, Flask, SQLAlchemy, Docker, Redux, Toolkit

- **Developed** a **mobile-responsive** UI with **CSS media queries**, ensuring smooth navigation across all screen sizes.
- **Built** a RESTful **Flask API with SQLAlchemy**, enabling seamless pet boarding reservation management with efficient relational data queries.

- **Containerized** the application with **Docker**, standardizing development and deployment environments for reliability across multiple servers.

Guide Finder | [Live](#) | [Github](#) - Python, Flask, SQLAlchemy, Docker, Redux, Toolkit

- **Created** an advanced search and filtering system using **React, Flask, and PostgreSQL**, allowing users to refine outdoor guides by activity type, location, and skill level.
- **Optimized** backend API performance with **SQLAlchemy and Flask-SQLAlchemy**, reducing query times and ensuring smooth data retrieval for a responsive UI.
- Integrated **secure authentication with Flask and bcrypt**, ensuring protected user access

Mortgage Calculator | [Live](#) | [Github](#) - Next.js and tailwind.css

- Built a **real-time mortgage calculator** with **Next.js**, dynamically updating calculations based on user input.
- Designed a **detailed amortization table** using **JavaScript array mapping**, providing users with precise breakdowns of payments.
- Styled the interface with **Tailwind CSS**, achieving a modern, minimalist design with a clean user experience.

Professional Experience

Licensed Realtor (2019–2025)

- **Negotiated complex real estate transactions**, securing optimal deals for clients by analyzing market trends and property valuations.
- **Developed strategic marketing campaigns** using social media and MLS listings, increasing property visibility and accelerating sales by 25%.
- **Advised clients on investment opportunities and contract terms**, fostering trust and driving repeat business and referrals.

Program Manager, EXOS (2015–2019)

- **Led a team of 50+ employees**, implementing performance-driven initiatives that increased client retention by 30%.
- **Designed innovative training programs** using data-driven methodologies, surpassing revenue targets and enhancing client engagement.
- **Optimized operational workflows** through team restructuring and process automation, improving efficiency and reducing overhead costs.

Education

- **App Academy**: Full-Stack Software Engineering Bootcamp, 2025
 - Nearly 1000 hours of lectures and hands-on learning, both solo and in teams.

- Three full stack projects using a variety of technologies.
- **San Jose State University:** BS in Kinesiology, 2012