

Andres Mercado

FULL STACK SOFTWARE ENGINEER

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With 2 years of experience, I specialize in delivering user-focused applications that solve real-world problems. Proficient in JavaScript, Python, and SQL, I streamline operations through dynamic front-end design and seamless back-end integration. I leverage my adaptability from my aviation and real estate background to create impactful solutions.

LANGUAGES: Javascript, Python, SQL, HTML, CSS

FRAMEWORKS: React, Redux, Express, Flask, AWS, Docker

DATABASES: PostgreSQL, SQLAlchemy, Sequelize, MongoDB

TOOLS: Github, Slack, Postman

WORK EXPERIENCE

Rabbit Aviation >> Developer > San Carlos, CA

April 2022 – Current [Live](#)

Flask, React, Redux, PostgreSQL, SQLite, PostgreSQL, AWS, Docker

- **Optimized user interface (UI)** by implementing React and Redux, significantly reducing component count and improving performance while integrating owner management module that allows user access to comprehensive owner details resulting in enhanced user experience (UX).
- **Developed a dynamic aircraft parking assignment** system using PostgreSQL, AWS, Docker, and SQLAlchemy, migrating from MongoDB, thus enhancing data integrity, query efficiency, and streamlining the process for employees to manage and assign aircraft parking spots in designated airport areas.
- **Integrated FlightAware AeroAPI and Weather API**, enabling users to view real-time airport weather conditions and track aircraft flight statuses, improving operational planning and response times.
- **Built a fuel order management system** that enables linemen to create, track, and update orders with statuses like "complete," "en route," or "done" while displaying both pending and completed orders to improve efficiency.
- **Deployed the application** using Docker on an AWS EC2 instance, configured with an AWS domain and TLS encryption to ensure secure access and communication.

Real Estate investor >> Owner > Stockton, CA

October 2018 – Current

- **Achieved a six-figure income within five years** by strategically investing in and managing real estate properties, demonstrating strong financial acumen and market analysis skills.
- **Managed a portfolio of properties with 14 tenants**, overseeing property maintenance, tenant relations, and financial management to ensure high occupancy rates and tenant satisfaction.
- **Built and led a reliable team**, coordinating various aspects of property management, from renovations to tenant communications, showcasing leadership and collaboration abilities.

Rabbit Aviation >> Line Service Technician > San Carlos, CA

September 2017 – August 2023

- **Ensured precise fueling** operations and coordinated logistics for private aircraft while adhering to strict safety protocols.
- **Operated fuel trucks to transport** and distribute fuel within a private airport environment, maintained efficient logistics and timely fuel delivery to support aircraft operations, prioritized safety, and strictly adhered to protocols.
- **Collaborated with team** members to troubleshoot real-time issues, enhancing operational efficiency and safety.

PROJECT EXPERIENCE

WUBER EATS >> Flask, React, Redux, PostgreSQL, SQLite, WTForms, Cloudinary, Render

[GitHub](#) > [Live](#)

An UberEats clone that allows users to create restaurants, add menus, leave reviews, and manage their shopping cart.

- Utilized the useDispatch hook to dispatch actions to the Redux store, displaying a modal where users can update items in their cart.
- Integrated restaurant functionalities using PostgreSQL and SQLite, allowing restaurants to manage menus and receive customer reviews, enhancing user engagement and operational efficiency.
- Excelled in communication with teammates on what to work on and how to merge our code using WTForms and Render to complement each other's work and avoid bugs.

EDUCATION

APP ACADEMY >> Full Stack Web Development

Completed June 2024

Coding Dojo >> Mern Stack (MongoDB, Express, React, Node JS)

Completed April 2022