

# Andres Mercado

## FULL STACK SOFTWARE ENGINEER

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Full-Stack Engineer with 2 years of experience developing and deploying dynamic web applications. Skilled in JavaScript, Python, and SQL, I build interactive frontends while designing scalable backend architectures. With a background in aviation and real estate, I excel at solving complex problems and delivering robust, user-focused solutions.

**LANGUAGES:** JavaScript, Python, SQL, HTML, CSS

**FRAMEWORKS:** React, Redux, Express, Flask (with WTForms)

**Cloud & DevOps:** AWS (EC2, S3), Docker, Nginx

**DATABASES:** PostgreSQL, SQLite, MongoDB

**TOOLS:** GitHub, Postman, Cloudinary

## WORK EXPERIENCE

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**Rabbit Aviation** >> Full-Stack Engineer > San Carlos, CA

April 2022 – Current [Live](#)

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

- **Developed and integrated RESTful APIs** with Flask to handle flight tracking, fuel management, and user authentication, enabling seamless data flow between backend logic and React-based workflows.
- **Refactored component** structure when transitioning from a MERN stack to Flask and a relational database, improving frontend maintainability and backend data organization.
- **Migrated data from MongoDB to PostgreSQL** to better handle real-world relationships, such as linking aircraft to parking spots and owners to aircraft. This transition improved data integrity, enabled more structured API responses, and enhanced frontend data consistency.
- **Built a fuel order management system** with Flask and React, enabling linemen to track, update, and complete orders via an intuitive UI and backend-driven workflow.
- **Integrated FlightAware AeroAPI and Weather API** with Flask, delivering real-time airport weather conditions and flight tracking through backend-driven API calls.
- **Deployed the full-stack system on AWS EC2**, leveraging Docker, Nginx, and TLS encryption for secure and scalable infrastructure.

**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

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**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.

- **Designed RESTful API endpoints** with Flask, supporting restaurant management, order tracking, and user authentication.
- **Built a responsive frontend** with React and Redux, enabling interactive cart functionality with real-time updates.
- **Optimized PostgreSQL and SQLite databases**, improving query performance and data retrieval efficiency.
- **Configured Cloudinary for optimized image storage**, enhancing page load speeds and UI performance.
- **Integrated Redux and Flask for seamless frontend-backend data synchronization.**
- **Collaborated in a full-stack team**, leading feature development and deployment using WTForms and Render.

## EDUCATION

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**APP ACADEMY** >> Software Engineering

Completed June 2024

**Coding Dojo** >> Python, MERN Stack

Completed April 2022