

# Andres Mercado

## BACKEND SOFTWARE ENGINEER

andresam321@proton.me > 510-695-4124 > [Linkedin](#) > [GitHub](#) > [Portfolio](#) > San Francisco Bay Area CA

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Backend engineer with 2 years of experience delivering scalable solutions. Proficient in Python, SQL, and Flask, I design efficient systems and APIs, integrating complex datasets to streamline operations. My background includes transitioning projects from frontend to backend-focused architectures and leveraging tools like PostgreSQL, SQLAlchemy, and Docker to build impactful applications.

**LANGUAGES:** Javascript, Python, SQL,

**FRAMEWORKS:** Flask, Express, RESTful APIs, AWS, Docker

**DATABASES:** PostgreSQL, SQLite, MongoDB, SQLAlchemy

**TOOLS:** Github, Slack, Postman

## WORK EXPERIENCE

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**Rabbit Aviation** >> Developer > San Carlos, CA

April 2022 – Current [Live](#)

Flask, PostgreSQL, SQLite, PostgreSQL, AWS, Docker

- **Transitioned database** from MongoDB to PostgreSQL using SQLAlchemy, enabling efficient relational data handling and improving query performance.
- **Designed and implemented** RESTful APIs with Flask and Express to support real-time flight tracking and fuel management systems.
- **Leveraged AWS** (S3 and EC2) to store aviation data and host scalable services, ensuring 99% system uptime.
- **Built a dynamic aircraft** parking assignment system, streamlining operations and reducing data complexity.
- **Developed microservices** architecture with Docker, enabling faster deployment cycles and modular design.

**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** for luxury private aircraft while adhering to strict aviation standards, preventing critical errors.
- **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.

- 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.
- Designed and optimized backend systems for restaurant management, enabling efficient menu updates and seamless cart operations.
- 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

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**APP ACADEMY** >> Full Stack Web Development

Completed June 2024

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

Completed April 2022