

Andres Mercado

BACKEND SOFTWARE ENGINEER

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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

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

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

APP ACADEMY >> Full Stack Web Development

Completed June 2024

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

Completed April 2022