

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
MongoDB

DATABASES: PostgreSQL, SQLite SQLAlchemy, Sequelize,

FRAMEWORKS: React, Redux, Express, Flask

TOOLS: GitHub, Postman, Cloudinary, WForms

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

WORK EXPERIENCE

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

April 2022 – Current [Live](#)

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

- **Designed and integrated RESTful APIs with Flask and Express**, enabling seamless communication between backend logic and React-based workflows.
- **Optimized Redux state management**, reducing API calls and improving frontend responsiveness for operational updates.
- **Migrated data from MongoDB to PostgreSQL**, improving query efficiency and enhancing backend scalability.
- **Implemented a fuel order management system**, allowing linemen to track, update, and complete orders through an interactive UI.
- **Connected FlightAware AeroAPI and Weather API**, providing real-time access to airport weather conditions and aircraft statuses.
- **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

WUBER EATS >> Flask, React, Redux, PostgreSQL, SQLite, WForms, 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.
- **Developed React components with Redux**, implementing interactive cart features for **seamless 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 WForms and Render.

EDUCATION

APP ACADEMY >> Full Stack Web Development

Completed June 2024

Coding Dojo >> Python, MERN Stack (MongoDB, Express, React, Node.js)

Completed April 2022