Andres Mercado
FULL STACK SOFTWARE ENGINEER

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Full Stack Software Engineer with 2 years of experience building scalable web applications using Python, Flask, React, and PostgreSQL. Currently contracting at Stacksync, where I've delivered multiple production-ready connectors including a Firecrawl integration deployed via Google Cloud Run with dynamic schema-based inputs. Recently built Hey Compa, an AI-powered assistant that extracts and interprets payment data using OCR and GPT. Skilled in full stack development, API design, and cloud deployment with a problem solving mindset shaped by real estate investing.

LANGUAGES: JavaScript, Python, SQL, HTML, CSS
FRAMEWORKS: React, Redux, Express, Flask (with WTForms)
Cloud & DevOps: AWS (EC2, S3), Google Cloud Run, Docker, Nginx

DATABASES: PostgreSQL, SQLite, MongoDB
TOOLS: GitHub, Postman, Cloudinary

WORK EXPERIENCE

Stacksync >> *Full Stack Engineer (Contractor) > Remote*   **June 2025 – Current**

    Python, Flask, Google Cloud Run, Firecrawl API, Webhooks
- **Collaborated with Stacksync's GTM engineer** *to design and deliver a production-grade connector for Firecrawl's scraping and extraction API.*
- **Deployed six stateless, serverless actions** *(scrape, batch_scrape, extract, search, execute, crawl) using Google Cloud Run.*
- **Enabled frontend flexibility by implementing schema-based** *dynamic inputs and supporting live UI updates.*
- **Refactored internal logic to fully align with** *Cloud Run's stateless architecture using job ID-based request chaining.*
- ***Passed parameters via form_data** to support dynamic UI rendering without global state.*
- ***Improved integration by refining prompt** structures and streamlining data handling for display.*
- ***Shipped multiple backend connectors under** fast-paced sprints, adapting to various API structures and authentication methods.*

Hey-Compa (Personal Project) >> *Full-Stack Engineer > Remote*   **May 2025 – June 2025**

    Flask, PostgreSQL, OpenAI API, PaddleOCR, Docker, React, Redux, Tailwind CSS
- **Built backend for an AI-powered** *OCR assistant that extracts vendor, due date, and amount from uploaded documents.*
- **Integrated OpenAI's GPT API** *to generate dynamic, vendor-specific payment instructions from OCR output*.
- **Designed a normalized PostgreSQL** *schema linking users, documents, and guidance steps.*
- **Secured multi-step Flask APIs** *with CSRF protection to handle document uploads and guide workflows.*
- **Used Redux to dynamically display** *AI-generated payment guidance in a real-time chat interface.*
- ***Paused to focus on production engineering** at Stacksync and planning to revisit with expanded AI features.*

Rabbit Aviation >> *Full-Stack Engineer (Project: AeroSkyOps) > Remote*   **April 2022 – May 2025** Live

Independently developed AeroSkyOps, a deployed backend platform built to streamline aircraft ops at a private airport.

    Flask, React, Redux, PostgreSQL, SQLite, AWS, Docker
- ***Engineered RESTful APIs with Flask** for flight tracking, fuel management, and authentication, seamlessly integrating them with a React-based UI to ensure smooth data synchronization.*
- ***Migrated from MERN to Flask/PostgreSQL,** improving performance, data integrity, and code maintainability.*
- **Replaced manual tracking with real-time fuel orders,** *aircraft assignments, and operational oversight using a Flask-React platform deployed with PostgreSQL and AWS.*
- ***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** using Docker, Nginx, and TLS for secure, 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.
- **Managing a real estate portfolio for** *over 6 years, overseeing tenant relations, financial strategy, and property operations. Developed analytical, problem solving, and adaptability skills critical to engineering scalable software solutions.*
- **Built and led a reliable team**, coordinating various aspects of property management, from renovations to tenant communications, showcasing leadership and collaboration abilities.

EDUCATION

APP ACADEMY >> Software Engineering   **Completed June 2024**
Coding Dojo >>   Python, MERN Stack   **Completed April 2022**