

# Marko Padilla

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## PROFESSIONAL SUMMARY

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Computer Science graduate with hands on experience developing automation workflows, scripts, and full-stack applications using Python, JavaScript, SQL, and REST APIs. Built backend automation routines and data pipelines that replaced recurring manual processes, improving operational efficiency by 50% on an independent analytics project. Comfortable with debugging, testing, code review, and AI-assisted development tools. Detail oriented, dependable, and eager to learn new RPA platforms and automation tools in support of business process improvement.

## EDUCATION

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**The University of Texas at El Paso**  
*Bachelor of Science in Computer Science*

*El Paso, TX*  
*Graduated May 2025*

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, SQL, TypeScript, Java, Bash/shell scripting, HTML/CSS

**Automation & Scripting:** Workflow automation, business process automation, scripting, scheduled processing, data pipelines, CSV ingestion

**Core CS Foundations:** Object-oriented programming, data structures, software development lifecycle (SDLC), debugging

**Web & APIs:** RESTful APIs, HTTP, FastAPI, Node.js, front-end/back-end integration

**Tools & Practices:** PostgreSQL, MySQL, Git/GitHub, Docker, Linux/Unix, unit testing concepts, code review, Agile/Scrum, AI-assisted development (Claude, Cursor)

## TECHNICAL PROJECTS

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**Delivery Route Performance Platform** | *Python, JavaScript, FastAPI, SQL, Docker*

*Jun 2025 – Present*

- Built and maintained a full-stack analytics platform with a REST API backend and JavaScript front end, designed to support automated data workflows and reporting.
- Implemented automation scripts and backend processing routines that replaced recurring manual reporting workflows, improving route planning efficiency by 50%.
- Designed CSV ingestion pipelines and SQL queries to validate, transform, and store operational data, supporting reliable end-to-end automation.

**Capstone Project: TRACE Tool** | *Python, FastAPI, SvelteKit, Neo4j, Linux*

*Aug 2024 – May 2025*

- Built a full-stack web platform with automated security testing modules, including vulnerability scanning and SQL injection detection, that reduced manual analyst effort per engagement.
- Designed FastAPI services exposing REST endpoints for real-time results, applying object-oriented design and modular service boundaries for maintainable, testable code.
- Operated in an Agile squad with cross functional stakeholders, participating in sprint planning, code review, and iterative releases against established engineering standards.

## PROFESSIONAL EXPERIENCE

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**Courier** - FedEx Express, El Paso, TX

*Nov 2020 – Present*

- Trained and onboarded new hires on operational procedures, safety protocols, and route planning systems, designing repeatable instruction that improved team learning outcomes.
- Delivered consistent, on time performance in a time-critical logistics environment, demonstrating reliability, on call discipline, and strong team collaboration.
- Collaborate daily with team members and supervisors to optimize throughput and resolve real-time issues under pressure.