**Miguel A. Gonzalez Almonte**

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**AI Systems Builder | GPT-Powered Workflow Architect | Operational Intelligence Technologist**

# PROFESSIONAL SUMMARY

AI systems builder with deep roots in operations leadership and a self-driven path into software design, automation, and GPT agent architecture. I've built and deployed intelligent tools that replaced spreadsheets, reduced operational delays, and brought logic-based coordination into live operational environments. My systems are not experiments — they are active solutions used in production to enforce lifecycle integrity, audit state transitions, and support non-technical users.  
  
Though I've never held a formal software title, I've architected AI assistants, Python dashboards, and decision frameworks that reflect enterprise-grade thinking and field-tested pragmatism. My work lives at the intersection of operational intelligence and systems clarity — where good logic can save time, prevent errors, and build trust.  
  
Now seeking roles where I can continue designing agent-powered workflows, internal tools, and smart coordination systems — especially in environments that value practical intelligence, not just pedigree.

# SKILLS SUMMARY

**AI & LLM Systems**

• GPT Agent Design, Prompt Architecture, Logic Scaffolding, 16-Block Canvas Systems

• Recursive Flows, Task Routing Systems, Lifecycle Modeling, Behavioral Frameworks

• Role-Based Interaction Flows, Educational AI Design, Cognitive Load Adaptation

• Clean Architecture Specification, GTPS Framework, Modular Dialogue Systems

**Python Development**

• Python 3 (Modular Scripting, DTO Structures, API Development, GUI Applications)

• Pandas (Data Structuring, Filtering, Export Pipelines, Analytics)

• PySide6 and Tkinter (GUI Architecture, Interactive Learning Environments, Desktop Applications)

• FastAPI (Lightweight API Services, Database Integration)

• SQLite and Supabase (Layered DB Use, State Tracing, Cloud Integration)

**Data & Dashboards**

• Excel (Advanced Formulas, VBA, Macros, Conditional Logic)

• Power BI (Custom Dashboards, Workflow Reporting, Analytics)

• CMMS Data Structuring, Delay Tracking Logic, Heatmaps and Export Systems

• Real-time Analytics, Service Manager Consoles, Performance Metrics

**Web Development**

• HTML5, CSS3, JavaScript (Responsive Design, Interactive UIs)

• Node.js, Express.js, TypeScript (Backend Development, API Integration)

• PostgreSQL, Drizzle ORM (Database Management, Full-Stack Development)

• Replit Development, Static Hosting, GitHub Pages Deployment

**Workflow Automation**

• Legacy System Modernization, Excel-to-System Migration

• Process Optimization, Business Intelligence, Operations Intelligence

• Task Template Systems, Lifecycle Orchestration, State Management

• Rapid Web Application Development, Full-Stack Solutions

# PROFESSIONAL EXPERIENCE

**Service Maintenance Manager** | MAA – Dallas, TX

Jun 2023 – Present

* Led service operations across 3 multifamily properties while designing and deploying the Make Ready Digital Board (DMRB) — a logic-based AI tool used live to coordinate unit readiness
* Replaced manual spreadsheets with a state-resolved Python system using DTOs, task templates, and lifecycle enforcement
* Built audit-safe, role-scoped task flows with offline queueing, conflict detection, and automatic readiness locking
* Reduced unit turnover time from 13–20 days to 7 through system-led coordination and real-time visibility
* Integrated Python (Pandas, PySide6, FastAPI), SQLite, and Supabase to enable full-stack functionality

**Service Manager** | RPM Living – Dallas, TX

May 2022 – Jun 2023

* Directed daily service operations at a high-volume multifamily property, overseeing technician workflows, vendor schedules, and turnover timelines
* Built and deployed custom Excel dashboards to reduce admin friction, improve task tracking, and align team focus
* Applied Agile-style planning methods to improve technician coverage and reduce backlog
* Created SOPs and structured vendor workflows to streamline unit turnover

**Operations Assistant → Kitchen Manager** | Universal Studios – Orlando, FL

2009 – 2018

* Progressed from operations assistant to leading two full-service kitchens during high-volume park operations
* Participated in engineering launch teams for new venues and attractions
* Led cross-kitchen menu rollout projects, coordinating timing, staff training, and guest flow readiness
* Developed early awareness of system bottlenecks, team handoffs, and operations logic under pressure

# EDUCATION & CERTIFICATIONS

**Bachelor of Business Administration in Computer Information Systems**  
Ana G. Méndez University – Carolina, PR (In Progress)

**Completed Certifications:**

• Python for Everybody – University of Michigan / Coursera (2025)

• Python 3 – Intermediate Track (2025)

• Google Project Management Certificate – Coursera (2025)

• EPA Section 608 Certification – HVAC Systems (2018)

# KEY PROJECTS

**Make Ready Digital Board (DMRB)**

*AI-Powered Task Lifecycle System | Python, Pandas, PySide6, FastAPI, SQLite → Supabase*

• Replaced spreadsheets with a logic-resolved unit coordination engine deployed across 3 properties

• Reduced turnover from 13–20 days to 7 with role-based access, task gating, and offline queueing

• Features 13-screen interface including Service Manager Console, MR Board, Task Manager, and Analytics Dashboard

• Implemented core dialogs system for lifecycle orchestration and system-wide sync triggers

**Python Training Board (PTB)**

*Interactive Learning Environment | Python, Tkinter, PySide6, GUI Development*

• Designed hands-on platform for GUI development training using sandbox-style experimentation

• Built modular demo launchers with authorization flow, framework selection hub, and training interfaces

• Features folder copy/isolate system, UI component explorer, and editable canvas with real-time code reflection

• Supports both PySide6 and Tkinter frameworks with structured layout training and code exploration mode

**System Pilot**

*GPT-Powered Architecture Strategist | 16-Phase GTPS Framework, Clean Architecture*

• Designed deterministic GPT assistant operating through 3-phase pipeline with 16-phase GTPS framework

• Transforms software ideas into implementation-ready Clean Architecture blueprints with modular specifications

• Enforces architectural boundaries through structured file tree generation and module discovery interrogation

• Outputs YAML, JSON, MD formats with developer-ready specs and blocking protocol enforcement

**Blueprint Buddy**

*Modular GPT Instruction Architect | 16-Block Logic Canvas, Validation Engines*

• Built full-scale GPT builder transforming user intent into logic-rich, exportable instruction sets

• Features 16-block logic canvas with embedded validation engines and multi-format output capabilities

• Performs intent-to-logic transformation with advanced prompt optimization and system logic optimization

• Educational AI system with mentor-like behavior and cognitive load adaptation for structured learning

**Meta Code Sensei**

*Educational AI Assistant | Biological Metaphors, Mentor Behavior, Adaptive Learning*

• Developed sophisticated educational AI with biological metaphor framework for code instruction

• Implements mentor-like behavior with cognitive load adaptation and structured learning approaches

• Features 16-phase behavioral framework for personalized developer guidance and skill building

• Designed for beginner-stage developers using AI-first approach for rapid skill acquisition