Miguel A. Gonzalez Almonte

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LinkedIn · Portfolio · GitHub

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

Bridging field-tested operational insight with code-based systems design. I build logic-driven tools that improve coordination, decision flow, and end-user clarity.

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

No-Code / Low-Code Web Deployment
- Replit: Web Page Design & Deployment (HTML Structuring, Visual Flow, Script Integration)
- Layout & Usability Architecture (Fonts, Spacing, Mobile-Friendliness, User Interaction)
- Integration of Tools: Formspree, Netlify, Cloudflare for Functional Delivery
- Full-stack launch using prebuilt components and code remixing
- UX-Focused Page Building: Professional design without hand-coding

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

- 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

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