

MIGUEL GUILLEN

Senior Data Analyst · BI Developer · AI / Automation Builder

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Spanish (Native) · English (Fluent / C1) · Mandarin Chinese (Intermediate)

PROFESSIONAL SUMMARY

Senior Data Analyst and AI Builder with 5+ years turning fragmented, multi-source data into executive decision-making tools and production-ready AI applications. Expert in SQL, Power BI (DAX), Python, and ETL pipeline design, with proven impact across public safety, financial intelligence (AML), and healthcare-adjacent data domains. MBA in Strategic Management and trilingual (Spanish / English / Mandarin). Ships end-to-end: from data modeling and dashboards to multi-agent AI systems and workflow automation. Open to remote full-time roles globally and freelance / consulting engagements.

KEY ACHIEVEMENTS

- Cut executive reporting time **40%** by consolidating 5+ data sources into self-updating Power BI dashboards.
- Eliminated **15+ hours/week** of manual processing and lifted operational efficiency **25%** with Python + AI automation workflows.
- Improved financial forecasting accuracy **20%** supporting national-level AML compliance and risk assessment.
- Built and shipped **2 independent AI products** — a gamified PWA and a multi-agent job-hunting system — using local LLMs, FastAPI, and browser automation.

TECHNICAL SKILLS

Data & BI: SQL · Power BI (Advanced) · DAX · Power Query · Tableau · Data Modeling · Star Schema · ETL · Data Warehousing · Excel (Advanced) · KPIs & Reporting

Programming & Automation: Python (Pandas, NumPy) · JavaScript · HTML/CSS · REST APIs · FastAPI · Process Automation · Git / GitHub

AI & Emerging Tech: LLMs · Prompt Engineering · RAG · Multi-Agent Architectures · AI Agent Systems · Local AI (Ollama / Mistral) · Claude & OpenAI APIs · AI App Development

Business & Strategy: MBA – Strategic Management · Financial Analysis · Executive Reporting · Stakeholder Management · Decision Support · Process Re-engineering · Agile

PROFESSIONAL EXPERIENCE

Data Analyst — Payroll & Data Control

National Emergency System 9-1-1 (Government Public Safety Agency)

Mar 2024 – Present

Santo Domingo, D.R.

- Designed and deployed interactive Power BI dashboards consolidating 5+ data sources, reducing executive reporting time by **40%** and enabling real-time decision-making.
- Engineered Python and AI-powered automation workflows that increased operational efficiency by **25%** and removed **15+ hours/week** of manual data processing.
- Architected ETL pipelines integrating SQL Server, Excel, and API-based sources, delivering reliable, audit-ready insights to senior leadership.
- Partnered with operations, HR, and IT to define KPIs and reporting standards across the agency.

Data Analyst — Financial Intelligence

Financial Intelligence Unit (FIU) — Anti-Money Laundering Authority

Feb 2021 – Feb 2024

Santo Domingo, D.R.

- Developed advanced financial analysis procedures improving forecasting accuracy by **20%**, supporting national AML compliance and risk assessment.
- Built Power BI dashboards and DAX-based reporting that translated complex financial datasets into strategic intelligence for senior management.
- Designed data-quality frameworks and validation procedures across multi-source transaction data.
- Produced strategic reports for executive committees and inter-agency coordination meetings.

Sales Coordinator

Delta Commercial

Oct 2016 – Oct 2019

Santo Domingo, D.R.

- Managed the end-to-end B2B sales pipeline — proposals, opportunity tracking, and post-sale relationship management.
- Coordinated sales teams to hit quarterly revenue targets and supervised customer-service operations.

INDEPENDENT AI PROJECTS

NEXUS Autonomous — Multi-Agent Job-Hunting System (2026)

- Self-organizing AI system that parses a CV, spawns specialist agents, scrapes job platforms in parallel, scores roles with local LLMs, and auto-applies via email and browser automation. *Stack: Python · FastAPI · SQLite · Ollama / Mistral · Playwright.*

AcademiAI — Gamified AI Education Platform (2025)

- Spanish-language PWA teaching AI concepts via XP systems and prompt labs, integrated with the Anthropic API. *Stack: HTML/CSS/JS · localStorage · PWA · LLM API.*

EDUCATION

MBA — Strategic Management

Pontificia Universidad Católica Madre y Maestra (PUCMM)

2019 – 2021

Dominican Republic

BBA — Business Administration

Pontificia Universidad Católica Madre y Maestra (PUCMM)

2006 – 2011

Dominican Republic

Mandarin Chinese Language Studies

Fu Jen Catholic University

2013 – 2014

Taipei, Taiwan

CERTIFICATIONS

- AI Fluency: Framework & Foundations — **Anthropic Academy** (2025) · Score 100%
- Data Analyst Bootcamp — Tableau · Python · Power BI · SQL (Udemy)
- Financial Analyst Certification · Interpreting Financial Statements (Udemy)
- Introduction to Data Science — In Progress (Udemy)