

MIGUEL GUILLÉN

Data Analyst | BI Developer — Power BI · SQL · Python · AI Automation

Santo Domingo, Dominican Republic · Remote (UTC-4, full US time-zone overlap)

miguel.guillen29@gmail.com · +1 (809) 993-0123 · [LinkedIn](#) · [Portfolio](#) · [GitHub](#)

PROFESSIONAL SUMMARY

Data Analyst and BI Developer with 5+ years turning multi-source operational and financial data into executive decision tools in national emergency services (9-1-1) and financial intelligence (AML). Reduced executive reporting time by 40%, improved forecasting accuracy by 20%, and increased operational efficiency by 25% through Power BI, SQL, Python ETL, and AI-powered automation. Fluent in English and Spanish; built and shipped end-to-end internal data applications used daily by operations teams.

CORE SKILLS

- **BI & Analytics:** Power BI (DAX, Power Query, data modeling, Tabular Editor), SQL, Excel Advanced, KPI frameworks, executive reporting, Tableau
- **Data Engineering:** ETL pipelines (SQL Server, Excel, REST APIs), data quality & validation, dbt and Apache Airflow fundamentals
- **Programming:** Python (pandas, NumPy, FastAPI), JavaScript/HTML/CSS, REST APIs, Git/GitHub
- **AI & Automation:** Claude & OpenAI APIs, LLM agents, RAG, prompt engineering, workflow automation, web scraping (Playwright)
- **Languages:** Spanish (native), English (fluent), Mandarin Chinese (conversational)

PROFESSIONAL EXPERIENCE

Data Analyst — Payroll & Data Control — National 9-1-1 Emergency System Mar 2024 – Present

- Consolidated 5+ data sources (SQL Server, Excel, APIs) into Power BI executive dashboards for national emergency operations, **cutting executive reporting time by 40%**.
- Designed and maintained ETL pipelines integrating SQL Server, Excel, and REST API sources, with data-quality validation at each stage.
- Built Python and LLM-powered automation workflows for recurring reporting and document generation, **increasing operational efficiency by 25%**.
- Shipped internal web applications — real-time fleet (AVL) monitoring with role-based access and a workforce scheduling system for emergency call centers — adopted by daily operations.
- Defined KPI frameworks and reporting standards with HR, Operations, and IT stakeholders, standardizing metrics across departments.

Data Analyst — Financial Intelligence — Financial Intelligence Unit (FIU) Feb 2021 – Feb 2024

- **Improved financial forecasting accuracy by 20%** through advanced analysis and redesigned reporting models.
- Developed Power BI dashboards and DAX measures used by executive leadership for AML strategic decision-making.
- Implemented data-quality controls and validation frameworks across multi-source financial datasets, reducing reporting errors.
- Produced strategic intelligence reports supporting national anti-money-laundering compliance initiatives.

SELECTED PROJECTS

- **NEXUS Autonomous — Multi-Agent Data Pipeline:** Python/FastAPI platform orchestrating local LLMs (Ollama), Playwright automation, and 6 API/scrapper data sources with matching, scoring, and SQLite persistence. Packaged as one-click Windows/Mac installers for non-technical users.
- **Power BI Automation Agent:** Tooling that parses PBIP/TMDL semantic models, audits them, and generates DAX measures programmatically — automating repetitive BI development work.
- **Procurement Radar:** Automated pipeline querying a government open-data API, scoring tender opportunities against business criteria, and producing daily WhatsApp-ready digests for a small business client.

EDUCATION

- **MBA, Strategic Management** — Pontificia Universidad Católica Madre y Maestra (PUCMM)
- **BBA, Business Administration** — Pontificia Universidad Católica Madre y Maestra (PUCMM)

PROFESSIONAL DEVELOPMENT

PL-300 Microsoft Power BI Data Analyst (in progress) · dbt Fundamentals · Apache Airflow Fundamentals · Machine Learning Specialization (Stanford/DeepLearning.AI) · LangChain for LLM Application Development