

Miguel Rodriguez

Senior Data & AI Systems Builder

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PROFESSIONAL SUMMARY

I turn complex evidence into analytics products, automation, and agentic systems that help people make clearer decisions and move faster.

Senior analyst and systems builder with experience productizing employee sentiment intelligence, automating research and reporting, and designing evidence-first agentic workflows. Known for translating stakeholder needs into practical tools, executive narratives, and repeatable team delivery.

SELECTED IMPACT

- National analytics capability:** Scaled Employee Sentiment Analysis from a divisional service into a multi-division capability supporting business development and executive decisions.
- 3 productized offerings:** Structured Full, Comparative, and Benchmark service tiers so teams could match analysis depth to each opportunity.
- Thousands of data points:** Built privacy-aware executive reporting with industry benchmarking across a large proprietary evidence base.
- 3 days to 5 hours workflow reduction:** Redesigned an earlier billing and data-merging process into a substantially faster, repeatable workflow.

PROFESSIONAL EXPERIENCE

LOCKTON	Dallas-Fort Worth, Texas November 2018-April 2026
Senior Data Analyst	May 2025-April 2026
Advanced a national Employee Sentiment Analysis capability and its delivery model across business divisions. Designed AI-assisted analytical workflows with clear review, privacy, and evidence boundaries.	
Data Research Analyst	August 2023-May 2025
Created Full, Comparative, and Benchmark ESA offerings for repeatable delivery. Built configurable Python research utilities and packaged them for nontechnical teammates.	
HRO Data Analyst	May 2022-August 2023
Built executive Power BI reporting across thousands of proprietary data points. Added industry benchmarking and audience-appropriate privacy controls.	
Benefits Analyst	March 2020-May 2022
<i>Concurrent contractor assignment supporting MoneyGram</i>	
Improved reconciliation and reporting workflows with Power Query and structured analysis. Balanced stakeholder service with careful handling of sensitive benefits data.	
Benefits Specialist	November 2018-March 2020
Supported benefits operations, reporting, and stakeholder communication. Identified repeatable work suited to structured data and automation.	

SELECTED SYSTEMS AND PROJECTS

Employee Sentiment Intelligence	Product architect & senior data analyst Delivered
A privacy-aware research and reporting system that transforms qualitative employee feedback into topic-level signals, comparisons, and executive-ready evidence.	
Evidence: Expanded into a national, multi-division capability; Productized three delivery tiers; Enabled team-supported delivery.	
Tools: Python, Power BI, NLP, Automation.	
TradeLab	System architect & product builder Evolving
An evidence-first market research environment where specialized roles collaborate through bounded workflows, provenance, review, and fail-closed safety controls.	
Evidence: Eight-role research graph; Immutable evidence ledger; Read-only research boundaries.	
Tools: React, FastAPI, PostgreSQL, Temporal.	
Local AI Orchestration	System architect & technical product lead Evolving
A local-first orchestration foundation for planning, routing, execution, evidence capture, QA, safety, and durable replay across specialized agents.	
Evidence: Deterministic model and role routing; Receipts and replayable evidence; Fail-closed action boundaries.	
Tools: Python, LangGraph, Local models, Typed state.	

CAPABILITIES

- Analytics:** Power BI, Power Query, DAX, Excel, Alteryx, Executive dashboards.
- Data & AI:** Python, Sentiment analysis, NLP, AI-assisted analytics, Structured data products.
- Systems:** Agent orchestration, Local AI, Workflow automation, Typed interfaces, Evidence boundaries.
- Product:** Stakeholder discovery, Executive storytelling, UI/UX, Productization, Team enablement.

EARLIER EXPERIENCE

- Auditor, United Way of Metropolitan Dallas** | June 2017-March 2018
Contract audit and data-quality support.
- National Sales Data Analyst, Hilton Worldwide** | February 2015-May 2017
Revenue reporting and frontend/functionality contributions to an internal lead-automation system.
- Workforce Analyst & A/R Billing, CSC ServiceWorks** | March-November 2014
Reduced a recurring billing and data-merging workflow from roughly three days to about five hours.

EDUCATION, CREDENTIAL, AND LANGUAGES

- Associate of Science in Data Science**, Dallas College, 2011-2015
- Alteryx Designer Core**, earned May 2024; credential valid through May 2026
- Languages:** English and Spanish, native/bilingual proficiency