JHONATHAN ESPINOZA

Lead Business Data Analyst | Master's in Management Information Systems

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[LinkedIn](#) | [GitHub](#) | [Tableau Public](#)

PROFESSIONAL SUMMARY

Lead Business Data Analyst with 6+ years of experience transforming manual, time-consuming processes into automated, intelligent workflows. Proven track record of delivering enterprise-scale solutions that save 560+ labor hours monthly, achieve 144x efficiency improvements, and reduce operational costs. Specializes in Python automation, AI-powered tools, Tableau analytics, and data integration. Master's degree in Management Information Systems.

TECHNICAL SKILLS

Programming:	Python, SQL, JavaScript, VBA
Data & Automation:	pandas, numpy, Selenium, BeautifulSoup, openpyxl, PyPDF2, Tableau Prep
AI & Integration:	OpenAI API, ChatGPT, Telegram Bot API, Tableau Cloud API, FastMCP
BI & Analytics:	Tableau Desktop, Power BI, SQL Server Management Studio, Excel (Advanced)
Tools & Platforms:	Git, Cloudflare, Outlook COM Automation, Microsoft Loop, ARIS BPM

PROFESSIONAL EXPERIENCE

IRG Realty Advisors, LLC — Cleveland, Ohio

Lead Business Data Analyst | May 2025 - Present

- Design, develop, and maintain automated data and reporting solutions that improve efficiency, accuracy, and scalability across the organization. Transform manual, repetitive processes into reliable, intelligent workflows.
- **Financial Packet Distribution System: Saves 560+ hours monthly** — Architected automated PDF processing system handling 685+ entities (10-100 pages each) across 10 reports with Excel manifest mapping, year/month folder distribution, and Outlook email automation
- **Lease Up Consolidation System: 144x efficiency gain** — Built resilient Excel merger processing 300+ property management files (6,000-15,000 rows) with COM automation and network resilience, reducing 3-day process to 30 minutes

- **County Tax Data Extraction: 40x faster** — Developed Selenium-based web scraper for 4 counties (400-800 parcel IDs) with Python orchestration, logging, and pandas DataFrames, transforming week-long manual research into 1-hour automated workflow
- **Multi-Agent Tableau Intelligence Bot: Daily use by managers** — Engineered AI-powered Telegram bot connecting 2 Tableau Cloud datasources via OpenAI with auto-routing, file analysis (Excel/PDF), and Outlook integration, eliminating analyst bottlenecks
- **Tableau MCP Server for ChatGPT:** Built custom FastMCP HTTP server bridging ChatGPT to Tableau Cloud via Cloudflare tunnel with Hyper SQL engine, data dictionary integration, and natural language business intelligence queries
- Led Data Integrity Monitors (DIM) initiative embedding automated data quality checks and Tableau-based monitoring into workflows

Tableau Business Intelligence Analyst | July 2023 - May 2025

- Led Data Integrity Monitor project achieving 25% improvement in data accuracy by designing and deploying 20+ dashboards
- Leveraged Tableau Prep for complex workflows including data cleansing, pivoting, aggregating, and calculated fields
- Extracted and analyzed data from SQL Server Management Studio while ensuring timely backups
- Automated repetitive tasks using Python (Excel consolidation, JSON to CSV conversion, Tableau Cloud PDF downloads)
- Led cross-functional projects using Microsoft Loop to streamline collaboration and meet deadlines

Data Analyst | February 2022 - June 2023

- Ensured data accuracy for reporting dashboards, software interfaces, and company KPIs
- Developed and managed Tableau dashboards focused on data integrity monitoring
- Provided accurate SQL tables and views to support Tableau team in creating dynamic dashboards
- Trained team members in advanced Excel techniques for data analysis and reporting

Transtar Industries

Logistics Data Analyst | September 2021 - February 2022

- Created first logistics dashboard showcasing KPIs on carrier expenses, on-time performance, and TL vs. LTL analysis
- Designed interactive Power BI dashboards to analyze, predict, and optimize logistics operations
- Identified cost-saving opportunities by optimizing routes from truckloads to LTL and milk run optimization

Penske Logistics

Supply Chain Analyst (Network Design) | September 2020 - September 2021

- Managed regional shipment logistics ensuring efficient operations and timely deliveries
- Created weekly PowerPoint presentations communicating key performance metrics to stakeholders

Logistics Analyst | December 2019 - September 2020

- Generated detailed Excel reports tracking key business data and performance indicators
- Conducted cost analysis to support decision-making and identify operational efficiency opportunities

EDUCATION

University of California, Berkeley — Haas School of Business

Certificate, Data Strategy | January 2025 - March 2025

University of Illinois Springfield

Master's Degree, Management Information Systems | January 2019 - May 2022

Graduate Certificate, Business Analytics | January 2021 - May 2022

Cleveland State University

Bachelor's Degree, Operations and Supply Chain Management | 2014 - 2016

CERTIFICATIONS

- Writing Analytical Queries for Business Intelligence
- Data Analyst in SQL
- Python for Machine Learning
- Tableau Desktop II: Intermediate Certificate
- ARIS BPM Certificate

LANGUAGES

English & Spanish (Native/Bilingual Proficiency)