Raul Herrera Delgadillo

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PROFESSIONAL SUMMARY

AI Engineer, Software Developer & Data Analyst specializing in building scalable, "Intelligence-First" applications. Expert at bridging the gap between Computer Systems Engineering and Data Intelligence by deploying **LLMs and Agentic Workflows**. Proven track record in developing full-stack analytical platforms and automated business tools. Committed to delivering high-impact, data-driven solutions through continuous technical growth and pragmatic problem-solving.

TECHNICAL SKILLS

AI & Automation	**LLM Orchestration (Llama 3.1, OpenAI)**, RAG, **n8n**, AI Agents, Prompt Engineering.
Data Science	**Pandas, NumPy, Scikit-learn**, Matplotlib, Seaborn, Jupyter Notebooks.
Software Eng.	**Python**, JavaScript (**React, Node.js**), Django, FastAPI, C#, Java, R, HTML/CSS.
Cloud & DevOps	**AWS (EC2, S3, RDS)**, **Cloudflare (Workers, D1)**, **Docker**, CI/CD, Linux, Git.
Databases	**PostgreSQL, MySQL, MongoDB, BigQuery**, SQL Server.
Visualization	**Tableau, Power BI**, Streamlit, Plotly.
Languages	Spanish (Native), **English (B2)**, French (A1/Learning).

WORK EXPERIENCE

Sep - Dec 2025 (Internship)   Nubir, Guadalajara — AI Software Intern
Shipped an AI-driven support chatbot to automate technical ticket creation and logging. Performed deep process analysis and implemented scripting that significantly reduced manual entry time and improved IT response efficiency.

Sep 2022 – May 2023   FlexTronics, Guadalajara — Technical Operator
Managed quality control for 5+ manufacturing lines under ISO standards. **Reduced equipment downtime by 15%** through proactive maintenance and analytical process optimization in a high-volume environment.

KEY PROJECTS

CloudFinance AI: Agentic Financial Tool   Source Code
Architected a serverless AI agent using **Llama 3.1** for real-time financial parsing. Implemented **D1 SQL** for persistent storage and achieved ultra-low latency via Cloudflare Edge deployment.

EnergyEngine: Grid Resilience Platform   Source Code
Engineered a full-stack platform monitoring European power grids stability using live **ENTSO-E** data. Processed 5,200+ records with **Django** and **React**, fully containerized with **Docker**.

Bank Customer Churn AI (Python)   Live Demo
Built a predictive pipeline achieving **85% accuracy** using **Scikit-learn**. Visualized complex risk scores through a **Streamlit** dashboard to translate ML results into actionable business insights.

Vehicle Market Insights (Data Analysis)   Live Demo
Analyzed 47,000+ records to visualize depreciation trends using **Pandas** and **Plotly**. Reduced market research time by 90% for end-users through an interactive analytics dashboard.

EDUCATION

2024 – 2026   **Universidad Lamar** — B.S. in Computer Systems Engineering   (Expected 2026)
2025 – 2026   **TripleTen** — Data Analysis Graduate Bootcamp
2023 – 2024   **DEV.F** — Master in Coding (Full-Stack Software Development)

Full Portfolio & Documentation:

raulherrera09.github.io/RaulHerrera.github.io/

Last updated: January 17, 2026