

Ian Arredondo

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EDUCATION

Texas A&M University – San Antonio
Bachelor of Science in Computer Science

December 2026

SKILLS

Languages : Python, SQL, JavaScript, HTML/CSS

BI & Visualization : Tableau, Power BI, DAX

Infrastructure and Tools : Linux, PostgreSQL, REST APIs, Git/Github

Core Competencies : Data Pipeline Engineering, AI/RAG Systems, Process Automation

EXPERIENCE

Freelance Software Developer
SwiftLot – swift-lot.com

Feb. 2026 – Present

- Designed, built, and deployed a full-stack auction intelligence platform adopted by industry professionals; managing ongoing infrastructure, data pipeline engineering, and feature development.

PROJECTS

SwiftLot | *Python, FastAPI, React, PostgreSQL, Tableau*

- A live auction intelligence platform at swift-lot.com that gives buyers a data-driven edge before placing a bid on salvage vehicles.
- Reverse-engineered the Autura Marketplace API to surface active auctions across 18 regions, combining real-time bid streaming with scheduled fallbacks to ensure complete data coverage.
- Bypassed Cloudflare Turnstile on the Texas state inspection site using a browser automation workaround to enrich every Texas vehicle with odometer history by VIN.
- Built Tableau dashboards from 27,000+ auction records, including a geographic sales heatmap and dual-axis time series analyzing volume-price correlation.

JagUnify | *Python, LlamaIndex, ChromaDB, Power BI*

- A RAG system that answers academic questions for TAMUSA students using only verified content from the university web domain, with automatic refusal when answers lack indexed support.
- Built a two-stage retrieval pipeline over 2,028 university records combining vector search with cross-encoder reranking before passing context to GPT-4o-mini.
- Implemented inline source citations and conversational query rewriting so follow-up questions resolve correctly without losing context.
- Built a Power BI dashboard with custom DAX measures and cross-filtered drill-down tables to break down the 2,028-record knowledge base by department and level.