JOAQUIN URIARTE

Personal Website · u.b.joaquin@gmail.com · 787-404-5469 · LinkedIn · Github · US Citizen · San Francisco, CA, US

SUMMARY:

Data and software engineer (1.5 years) owning Google Store's 20M-event/day GA4 → Airflow → BigQuery pipeline. I work closely with clients to turn their asks into real solutions—building data models for user segmentation, prorating datasets to match sources of truth, and leading migrations that stitch together historical views. Outside of client work, I've shipped a Swift/Node.js macOS app that won a hackathon and now runs with live users and auto-updates. Comfortable writing clean Python, SQL, and JS—and just as comfortable on calls making sure things work end-to-end.

SKILLS:

Programming & ML: Python, JavaScript, LangChain, Node.js & React, Typescript, TensorFlow, Keras, scikit-learn

Data Engineering: SQL, Apache Airflow & GCP Composer, BigQuery, Data Modeling

Languages: English (fluent), Spanish (native)

EXPERIENCE:

Accenture – Data Engineering Sr. Analyst (Google) | San Francisco, CA *August 2024 – Present*

- Engineered an end-to-end GA4 → Airflow → BigQuery pipeline (28 tables) that ingests 20 M+ events/day and powers product sales forecasting and reporting dashboards.
- Reduced failures by 84% by implementing schema version checks, building a dev pipeline with CI-style deployment gates, and designing QA tests to catch errors pre-production.
- Led lift-and-shift of infrastructure to an internal orchestration platform: rebuilt DAGs, prorated one year of history, and spun up QA dashboards contrasting corrected vs. legacy data.
- Modeled raw GA4 events into SEO-performance and user-segmentation tables, translating stakeholder questions into analytics-ready datasets.
- Reconciled marketing-channel metrics with sales-ledger data by building a proration engine, reducing discrepancies from ~30% to ~2%.
- Identified the optimal channel retention window (55-day) through cumulative-distribution analysis, balancing attribution accuracy with storage efficiency to reduce BigQuery costs.

Accenture – Technology Architecture Analyst (Freeport-McMoRan) | San Francisco, CA *October 2023 – August 2024*

- Led assessment of 60+ legacy datasets and designed end-to-end migration pipeline, securing a $860K bridge and $2.5M implementation contract.
- Developed a nearest neighbor model to auto-label sampling locations from coordinates, reducing geo-label errors by 92%.

Accenture – Summer Analyst | San Francisco, CA *May 2022 – August 2022*

- Mapped client growth gaps to Accenture solutions; presented stakeholder analysis that kick-started two cross-sell pursuits worth $1M +.

PROJECTS:

Telescope (macOS app) – Natural-Language File Search

- 1st Place, Runcased Hackathon (1st of 15 teams, 33 participants; $1K prize).
- Built a functional POC in 12 hours by integrating a Python-based mdfind MCP server with an Electron UI client.
- Productionized for macOS by rewriting the UI in Swift, retaining the Node.js search service, hardening prompts/guards, and signing + notarizing the app for drag-and-drop DMG installation.
- Automated releases with CI and Sparkle auto-updates, enabling seamless deployment of new models and features.
- Early traction: 103 successful searches logged in the first 20 days post-launch.

WhatsApp Helper Bot (@Lucho) – Group Task Automation Bot

- Building a Node.js bot using Clean Architecture principles for long-term scalability and separation of concerns.
- Designed as a LangChain ReAct agent, enabling natural-language interaction with a shared calendar (in progress).
- Uses a headless browser to interface with WhatsApp Web and parse/respond to tagged group messages.
- Planning continuous server deployment to maintain session state and support persistent interactions.

Full-Stack Web Analytics – Freelance Project

- Set up full-stack event tracking with GTM → GA4 → Airflow → BigQuery for product usage analytics.
- Built SQL pipelines and daily schedules to process data and power custom KPI dashboards.

EDUCATION:

Georgia Institute of Technology | Atlanta, GA *August 2019 – May 2023*

B.S. in Industrial and Systems Engineering | **GPA: 3.92/4.00**

- Computer Science minor in Computing & Information Internetworks

Coursera | Machine Learning Specialization | Remote *October 2023 – February 2024*