Ricardo Ruiz

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Experience

LSEG (LONDON STOCK EXCHANGE GROUP) Costa Rica
Factor Analyst / Financial Data Analyst Aug 2023 – Present

- Led a department-wide automation initiative with 6 analysts across the U.S. and Costa Rica, standardizing data validation, cleansing and processing for indices of 500 to 10,000+ securities
- Spearheaded AI integration, lifting adoption of AI and standardized development tools from 10% to 90% in under a month through license allocation, stakeholder alignment and proofs of concept
- Completed 100% of the J.P. Morgan AWD index review (1,904+ securities) in under 2 weeks, zero controllable defects
- Built parameterized T-SQL automation for data validation, transformation and index review; cut query and batch runtimes ~75% (~40 to ~10 min) with indexing strategies, CTEs and temp tables
- Serve as final data-quality authority and audit liaison for index releases, sustaining 0% controllable errors all year
- Diagnose missing FTSE Russell factor values and validate Worldscope data with T-SQL and Hampel outlier detection
- Provide on-call production support for deployed SQL functions; train new hires on T-SQL, Git and GitHub Copilot

SELF-EMPLOYED Heredia, Costa Rica
Contract Data Analyst Sep 2025 – Sep 2026

- Delivered inventory reporting for a confidential technology client's networking rack builds at U.S. and European sites with PLX scripts, Apps Script automations and validated Google Sheets models
- Forecasted shortages from lead times; recommended mitigation; coordinated inventory moves and escalations

AMAZON Costa Rica
Data Risk Management Coordinator May 2021 – Aug 2023

- Investigated multilingual Kindle Direct Publishing content for fraud, frequently beating productivity targets by 14%+ with a 0% defect rate over the final 12 months
- Maintained and refined MySQL queries and master trackers supporting data-integrity and fraud investigations

AMAZON Costa Rica
Data Investigation Specialist I Aug 2020 – May 2021

- Built Excel VBA macros improving decision accuracy; cleaned investigation data and codified fraud patterns into SOPs

Education

UNIVERSIDAD ESTATAL A DISTANCIA (UNED) Costa Rica
Diplomado (Associate Degree), Ingeniería Informática (Computer Science) Expected 2027
Relevant coursework: Databases, Data Structures, Software Engineering, Statistics, Digital Logic

TECNOLÓGICO DE COSTA RICA (TEC) Costa Rica
Professional Development Program in Data Science and Machine Learning 2025 – 2026
Certificates: Machine Learning for Data Science (Nov 2025); Mathematics for Data Science (Sep 2025)

CENFOTEC Costa Rica
Business Analytics Program Jul 2023
Scholarship: Google Cloud Computing Foundations program — awarded 2026; certification in progress

Projects

Career-Page Monitoring Pipeline *(GitHub Actions, Telegram Bot API)*: Scheduled pipeline that scans company career pages and pushes new openings to Telegram, replacing reliance on job boards

Machine Learning Coursework *(Python, Pandas, Polars)*: Compared six classification algorithms after imputation, Min–Max scaling and label/one-hot encoding; evaluated with precision, recall, F1 and ROC-AUC

CourierFlash Relational Database *(SQL)*: Designed a 3NF courier-management database from a crow's-foot ER model, with stored procedures, functions, validation queries and ~300 rows of test data

Skills & Interests

Technical: SQL (T-SQL, MySQL, GoogleSQL), SQL Server (stored procedures, functions, transactions), Python (Pandas, Polars, venv), Power BI, DAX, advanced Excel (VBA, Power Query), Google Sheets, Apps Script, PLX, Java (OOP)
Tools & AI: Git, GitLab, GitHub Actions, VS Code, GitHub Copilot, agentic-AI workflows, Jira, Linux/WSL2, APIs
Analytics: Data quality, outlier detection, fraud and risk investigation, statistics, ML classification, equity factors
Languages: Spanish (native), English (C2, EF SET), Portuguese (B1, McGraw Hill)
Interests: Home networking and hardware experimentation, Linux scripting, biology and mRNA therapies