

Adrián Martínez Martín

Data Governance · Python · Collibra

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Full-time · Remote/hybrid preferred · Madrid · Flexible start

Professional profile

Data professional specialized in automation, data quality and governance, with experience managing technical catalogs of more than 150,000 products/SKUs and integrating information from multiple sources. Regular hands-on work with Python, pandas and SQL for data cleaning, normalization, matching, validation, transformation and integration, together with professional Collibra experience applied to Data Governance and Metadata Management. Technical profile focused on turning manual processes and heterogeneous data into reproducible, controlled and maintainable workflows.

Professional experience

DROMERSLAND SL

June 2020 – Present

IT Operator · Data and automation

Third-grade specialist · Automotive parts · Madrid

- Automation with Python and pandas of dataset import, cleaning, normalization, matching, transformation, validation, deduplication and synchronization processes.
- Development of data quality and integration controls with Python and SQL to detect duplicates, inconsistencies, incomplete records, incorrect relationships and matching issues across different data sources.
- Management and evolution of technical catalogs that grew beyond 150,000 products/SKUs for web, applications and internal systems, maintaining reference and data consistency across channels.
- Management of the technical reference lifecycle, including historical and current references, equivalences and substitutions to preserve data traceability and consistency.
- Integration and harmonization of information from multiple suppliers, normalizing structures, naming conventions and formats to relate it to a common product model.
- Development of processes to normalize pricing data from multiple suppliers and associate it with canonical products, using criteria such as cost, availability, shipping conditions and margin to support supplier selection.
- Maintenance of synchronization and control processes designed to preserve catalog consistency as data volume, source count and consuming systems grew.
- Professional use of Collibra within Data Governance processes to structure and control catalogs, attributes, references, relationships, documentation and enterprise information, together with traceability and access control over commercial and financial information.

Skills

Development and automation

Development of Python scripts, utilities and processes for importing, cleaning, transforming, validating and synchronizing data. Regular use of pandas for dataset and CSV processing.

Data quality and integration

Design of controls to detect duplicates, incomplete records, inconsistencies and incorrect relationships. Normalization, matching, deduplication and reconciliation across sources.

APIs and system integration

Consumption and integration of REST APIs and development of processes to exchange, transform and synchronize information across applications, databases and external sources.

Governance automation

Design of reproducible configuration-driven workflows using desired state, validation, dry-run, change planning and impact analysis to reduce risk in governance operations.

SQL and databases

Querying, extracting, joining and validating information using SQL and PostgreSQL, working with relational structures and data from multiple sources.

Catalogs and Reference Data

Modeling and maintenance of canonical products, historical and current references, equivalences, substitutions and entity relationships while preserving consistency and traceability.

Data Governance with Collibra

Professional experience structuring catalogs, assets, attributes, relationships, metadata and documentation in Collibra, including traceability and enterprise information control.

Microsoft Purview

Applied practice in classification, Information Protection and DLP, as complementary knowledge to the main professional experience with Python and Collibra.

More about my professional experience, projects and profile at <https://adrianmartnez.dev>.