Federico Paci

Data Engineer

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Skills

Infrastructure : AWS,
Programming Languages: SQL, Python,
Databases: Redshift, Teradata, Snowflake, Postgres
Tools and Frameworks: Airflow, Glue, Git
Languages: Spanish (native), English (B2)

Experience

Health-tech infrastructure	**Clink**	05/2025 to Present

- Designed and deployed network infrastructure for a medical clinic (LAN, Wi-Fi, VLANs, VPN, firewall) ensuring secure, reliable connectivity.
- Collaborated on the implementation of core systems (EHR/EMR, scheduling, billing), coordinating vendors, data migration, and user onboarding.
- Configured identity and access management, backups, monitoring, and incident response procedures with clear documentation.
- Trained staff and provided ongoing support, tracking issues and iterating on improvements.

Data Engineer	**Brinta**	11/2024 - 05/2025

- Design and develop ETL/ELT pipelines with PySpark.
- Migrate legacy jobs to AWS-based stack, improving scalability, reliability, and maintainability.
- Orchestrate and schedule workflows with Airflow, enforcing SLAs, retries, and alerting.
- Model datasets and define clear data structures and documentation.
- Implement monitoring, logging, and data quality checks; proactively investigate incidents and resolve root causes.
- Optimize Spark performance and storage costs by tuning partitions, caching, and job configurations.
- Collaborate with product, analytics, and business stakeholders to prioritize roadmaps and deliverables.
- Aply engineering best practices: code reviews, CI/CD, IaC, security, and governance.

Data Engineer	**Spear Education**	02/2024 - 11/2024

- Project to build a new data architecture, considering the different options and strategies such as lakehouse, warehouse, evaluating different technologies to achieve the goal.
- Design ETL(Extract,Transform,Load) tasks data models and for analytics (dimensional models, SCDs), maintaining data integrity and verifying pipeline stability. Stack: Snowflake, Redshift, Matillion, AWS Glue, Python, SQL, Dremio, Coalesce
- Develop Python scripts to get data from different sources, such as S3, API, Parquet files, etc
- Monitor and control data warehouse and data lake performance
- Keep track of customers tickets and issues.

SQL Professor   **Coderhouse**   08/2021 - 08/2024

- Part-time job as SQL Professor, teaching practical and theoretical classes.
- Strong interpersonal and communication skills, resulting in clear subject matter discussion with students.
- Meet with team members to discuss different approaches, lessons and future learning objectives.
- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions and using techniques to track student participation.
- Used different technologies to engage students in achieving learning outcomes.
- Researched and selected course texts and supplemental learning materials.

Data Engineer   **Frubana**   01/2022 - 01/2024

- Collaborated on ETL(Extract,Transform,Load) tasks development, maintaining data integrity and verifying pipeline stability. Techs: Airflow, AWS Glue, SQL, Python
- Develop Python DAGs and lambda functions to gather information from different sources, such as S3, API, Google Sheets
- Evaluated various tools, technologies, and best practices for potential adoption in company's data engineering processes.
- Generate insights and dashboards with Metabase, Superset, Redash and Looker
- Administer user connections and permissions on Metabase, Superset, Redash, and Redshift
- Monitor and control data warehouse and data lake performance, keep track of Redshift queue, help clients with query tuning
- Keep track of customers' tickets and issues.

Data Engineer   **Eldar**   05/2021 - 11/2021

- Database Migration project, from DB2 to MySQL
- Design MySQL DDL based on the current DB2 database.
- Generate ETL process to keep an updated mook of data for the development and testing stages.
- Suggest changes on data warehouse model, to reduce impact on extraction step.

Data Engineer   **BBVA**   05/2018 - 05/2021

- Develop ETL process, data modeling, and data pipelines in different tools such as SSIS SQL Server Integration Services, Teradata SQL, IPC PowerCenter
- Develop end-to-end process or solutions, from gathering user requirements, creating documents and developing SQL ETL.
- Python development with Google Apis
- Coach coworkers in data warehouse model, SQL queries, and help them to solve performance issues
- Project and improvements proposed:
  - Scoring of email integrating different sources, reducing wasted emails attempts in 38%
  - Developed a process that has successfully eliminated client complaints related to product activation, leading to improved client satisfaction.
  - Developed CRM-like application, which connect to different data sources to reduce time consuming tasks
  - Developed a process to pay different gifts/rewards to clients and avoid conflicts between commercial campaigns.

Softland Software Analist   **CECOSA**   05/2017 - 05/2018

- T-SQL Development, stored procedure, views, functions, and maintenance plans
- Administration of user-profiles and security parameters
- Document new processes and create user manuals and flow charts.

Education

- B.S. in System Engineering
  - UADE University
  - From 03/2017 - 07/2020 Up to 3er year
- Undergraduate
  - ITU Institute Of University technologies
  - From 03/2012 - 12/2015