Hector Javier Herrera Espinola

Data Analyst | Data Engineer

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Linkedin |*Portfolio*

Highly qualified data professional with over 5 years of experience transforming complex problems into actionable insights. Holding a degree in Industrial Engineering and a Data Science certification, I specialize in designing data pipelines, executing ETL processes with Databricks, and delivering impactful visualizations using Power BI and Tableau. My technical skills include Python, SQL, R, and leveraging Azure tools like Data Factory and SQL Database to efficiently manage and analyze large datasets. Fluent in English and Spanish, with intermediate Portuguese and ongoing Japanese learning, I thrive in multicultural environments and enjoy collaborating with global teams to drive data-informed decisions.

PROFESSIONAL EXPERIENCE

Data Engineer   **July 23 at Present Time**

Réalta Technologies, Cork, Ireland.

Part of the Digital Application team at Johnson & Johnson, where I specialize in full-stack data engineering to support supply chain initiatives. My role includes:

- Build data pipelines that ingest a variety of manufacturing and inventory process metrics.
- Collaborate with data scientist sand product engineers to develop and deploy solutions to customer problems.
- Data Engineering: Perform ETL processes, extracting data from various internal and cloud-based systems, and engineering data solutions using R, Python, Alteryx and SQL.
- Identified excess inventory and developed a strategy to prioritize deliveries based on batch expiration dates, ensuring timely distribution of products across the Asia Pacific region, resulting in a 25% cost reduction.
- Reduced data processing time by 30% for an EMEA region deployment dashboard by converting R scripts into PySpark within Databricks.
- Training and Support: Conduct monthly basic training sessions (15 to 20 persons) on Power BI to empower company team members with analytical skills.
- Collaboration: Work closely with stakeholders to understand their data needs and provide tailored data solutions and visualizations.

Data Analytics Engineer   **Oct 22 - Jun 23**

Outer Rim, Dublin, Ireland.

- Collaborated with the Business Intelligence team to analyse the information provided by customers and supporting on the creation of pipelines from the process of Extracting, Transforming and Loading to connect it in a data base.
- Collecting and analysing data from various sources, such as web analytics, social media, and customer relationship management systems.
- Utilized Python to ETL process to transform data and assist in the development and maintenance of data quality standards. Provide robust, reliable business reporting and analysis in a user-friendly format using mostly Power BI and Tableau.

Data Analyst   **Mar 22 - Oct 22**

Nature Sweet, Remote

- Responsible for daily Master Data Management (MDM) data steward activities and handling ad-hoc master data catalog requests.
- Participate in MDM User Acceptance Testing (UAT), and responsible for defining and maintaining MDM Standard Operating Procedures (SOPs).
- Created and managed Power BI dashboards to monitor data quality and ensure data accuracy with an improvement of the 80 % of the total master data.
- Collaborate with IT to coordinate and define the business user impacts of MDM application changes, resolving issues, and planning for enhancements and system upgrades.

Data Analyst   **Dec 19 – Dec 21**
<u>Mercado Libre</u>, Buenos Aires, Argentina.

● Data Analyst with expertise in Python and Power BI, specializing in procurement analysis.
● Led data analysis projects for the procurement department, utilizing Python and libraries like Pandas, NumPy, and Matplotlib to clean, transform, and analyse large procurement datasets.
● Implemented statistical analysis algorithms to identify cost-saving opportunities, supplier performance trends, and optimize procurement strategies. Generated comprehensive reports and interactive visualizations using Power BI to present findings to stakeholders.
● Utilized data mining and predictive modelling techniques to forecast demand, optimize inventory levels, and improve supply chain efficiency.

Sr. IT Buyer and Team Leader   **Aug 18 – Nov 19**
<u>The AES Corporation</u>, Buenos Aires, Argentina.

● Led IT Purchasing Department comprised of 4 procurement professionals.
● Spearheaded the unification of all purchasing departments in the region into one department based in Argentina, transitioning all purchase contracts to the new department within one year, generating major savings.
● Enhanced the purchase process of laptops for the region, standardising the acquisition of a specific brand and model to be used across all countries in the region.

Procurement Executive   **Apr 16 – Jun 18**
Sr. Procurement Analyst   **Dec 15 – Apr 16**
<u>Petronas</u>, Buenos Aires, Argentina.

● Managed purchases for a construction project to facilitate the launch of an energy plant, sourcing and procuring purchase contracts for electric and steam generators, as well as hiring piping and engineering contractors, among others, while delivering on quality, price, process, and efficiency.
● Set up the Procurement department from scratch, creating enhanced and unified purchase protocols that replaced segmented purchase processes by different departments within the company, such as Finance and Operations, among others.
● Promoted to Procurement Executive due to my unaverred commitment to excellence, and my outstanding organisational skills.

 IT Regional Sourcing Buyer   **Jan 18 – Dec 15**
<u>IBM</u>, Buenos Aires, Argentina.

● Developed and implemented strategic sourcing plans for various software-related categories across the region.
● Procurement data analysis for all the regions to measure the department's goals.
● Source resources for projects, ensuring software, hardware, and appropriate staff are available to enable project completion with experience in agile methodologies.
● Officially recognised as "Best IBMer of the Quarter" in the last quarter of 2013 for my outstanding professionalism, commitment to quality, and my contributions as a contract negotiator.

TECHNICAL SKILLS

● Programming Languages: Python, SQL, R and C#.
● Data Visualization Tools: Power BI (DAX, power queries), Tableau (VizQL), MS Excel (Pivot Tables, Macros), Alteryx.
● Data Analysis Tools / Libraries: Pandas, Numpy, Matplotlib, Seaborn, Scikit learn, Spicy, PySpark
● Machine Learning: Linear & Logistic Regression, Decision Trees, SVM, K-means Clustering
● Cloud: Azure and AWS (fundamentals)
● ERP System: SAP, Oracle.
● Project Management: Scrum Methodologies.

EDUCATION

● EducationIT | Unity Game Developer **Remote | Aug 2024**
Five months of duration and more than 100 hours of training. C# and Unity.
● Soy Henry Bootcamp| Data Scientist **Remote | Jan 2023**
Full time data science boot-camp. Five months of duration and more than 800 hours of training.
● National Technological University | Industrial Engineering **Argentina | Dec 2021**
Orientation in Management and Planning.

OTHER

Certifications: Python for Everybody Specialization (Universidad de Michigan and Coursera), Negotiation Skills (IBM).
Awards: Named "IBMer of the Q 2013 (by CEO IBM AR) and "Competing as a team to win (by CEO Mercado Libre).