

Hector Javier Herrera Espinola

Data Analyst | Data Engineer

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I am an experienced professional with a Degree in Industrial Engineering, a certification as a Data Scientist, and over 12 years of experience spanning procurement, engineering, management, and data science across various industries. I possess strong skills in communication, negotiation, teamwork, people management, and problem-solving. My technical expertise includes data analysis using Python, SQL, and R, executing ETL processes in Databricks, and building insightful data visualizations with Power BI and Tableau.

I have extensive experience leveraging Azure services, such as Azure Data Factory and Azure SQL Database, to manage, store, and process large datasets efficiently. Additionally, I am fluent in English and Spanish, have intermediate proficiency in Portuguese, and am currently learning Japanese to further enhance my communication skills.

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:

- Managing Data Pipelines: Develop, optimize, and maintain data pipelines within Databricks, ensuring efficient data flow and transformation.
- Data Engineering: Perform ETL processes, extracting data from various internal and cloud-based systems, and engineering data solutions using R, Python, Alteryx and SQL.
- Data Visualization: Create insightful reports and visualizations using Power BI and Tableau to support data-driven decision-making.
- Training and Support: Conduct basic training sessions on Power BI to empower 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.

Procurement and Data Professional

Jan 22 at Present Time

Independent Consultant, Remote

- Implemented new procurement processes, optimizing workflows, and ensuring cost-effectiveness for a Start Up in Argentina.
- Provided procurement support for a company based in Ireland, assisting with professional services.
- Data Management and Monitoring Dashboard report for a US-Company using Power BI and Python.
- Collaborated with a team to develop a data-driven application for a shooting club in Argentina.

Data Analyst

Dec 19 – Dec 21

Mercado Libre, 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

The AES Corporation, 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

Petronas, 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

IBM, 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).