

# Hector Javier Herrera Espinola

Data Scientist | Data Engineer | Data Analyst

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[Linkedin](#) | [Portfolio](#)

I am a highly qualified professional with a Degree in Industrial Engineering, a certification as a Data Scientist, and over 12 years of experience in areas of procurement, engineering, management, and data science within different industries. I have developed excellent communication and negotiation skills, teamwork, people management, and problem-solving abilities. My expertise includes data analysis using programming languages such as Python and SQL, performing ETL processes, and data visualization using Power BI and Tableau.

Furthermore, I have hands-on experience with AWS using EC2, RDS, and S3, enabling me to provide solutions for big data management, storage, and processing.

I am fluent in English and Spanish and have intermediate proficiency in Portuguese. Additionally, I am in the process of learning the basics of Japanese to expand my communication abilities.

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## PROFESSIONAL EXPERIENCE

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### Data Analytics Engineer

Oct 22 at Present Time

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 analyze 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 modeling techniques to forecast demand, optimize inventory levels, and improve supply chain efficiency.
- Successfully contributed to cost reduction initiatives and achieved measurable improvements in procurement performance

### 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.

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#### **TECHNICAL SKILLS**

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- Programming Languages: Python, SQL and Visual Basic
- Data Visualization Tools: Power BI (DAX, power queries), Tableau (VizQL), MS Excel (Pivot Tables, Macros)
- Data Analysis Tools / Libraries: Pandas, Numpy, Matplotlib, Seaborn, Scikit learn, Spicy.
- Big Data: Mongo DB, Spark, Hadoop
- Machine Learning: Supervised and Unsupervised Learning, Keras & TensorFlow
- APIs: Flask, FastAPI
- Cloud: AWS (S3, RDS, EC2)
- ERP System: SAP, Oracle
- Project Management: Scrum Methodologies

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#### **EDUCATION**

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- Soy Henry Bootcamp | Data Scientist

**Remote | Sep 2022 to 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 | Jan 2008 to Dec 2021

Orientation in Management and Planning

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#### **CERTIFICATIONS**

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- University of Michigan (Coursera) | Python for Everybody Specialization
- In-Company Training with IBM | Negotiation skills

**Remote | July 2022**

**Argentina | October 2014**