

Diego Sánchez

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Summary

Specialist in the design of intelligent systems and data flow optimization. Professional with a strong focus on solution architecture and structural logic. My goal is to transform strategic needs into scalable systems using Artificial Intelligence and Big Data. My methodology focuses on designing efficient processes and solving complex logical problems from an engineering perspective.

Experience

AI Solutions Intern Mar 2025 – June 2025 | Las Rozas, Madrid

HPE (Hewlett Packard Enterprise)

- **Data Architecture & Python:** Implementation of robust ETL pipelines to automate the ingestion and cleaning of massive datasets. Advanced use of Pandas and NumPy to transform raw data into analysis-ready assets, reducing processing times by 40%.
- **Strategic Business Intelligence:** Design and development of complex data models in Power BI. Creation of advanced DAX metrics and interactive dashboards that enabled stakeholders to visualize critical KPIs, improving real-time strategic decision-making.
- **SQL & Cloud Ecosystem:** Efficient modeling of relational databases and rigorous optimization of high-performance SQL queries. Integration with cloud services (AWS) to ensure scalability and data availability in distributed environments.

Certifications and Achievements

Award for Best Academic Record

- Awarded in Higher Technician in Web Application Development (FP Euroformac).
- Recognition of academic and technical excellence, standing out for the ability to solve complex problems.

Data Visualization with Python

- **IBM** | Issued: Oct 2025 | Credential ID: 88bc9f49612c4b4f8bec8dba02373563
- Mastery of libraries such as Matplotlib and Seaborn to communicate complex data insights effectively.

AWS Educate Introduction to Cloud 101

- **AWS** | Issued: Jun 2025 | Credential ID: 85e43b0a-6bb8-4d46-b6de-f6bba7d324b9
- Deep understanding of AWS global infrastructure, core services, and cloud security best practices.

Data Analysis with Python

- **IBM** | Issued: Jun 2025 | Credential ID: 5142473d280e4361beae1146e5631819
- Demonstrated ability in exploratory data analysis, cleaning, and preprocessing with Python.

Spark Fundamentals I

- **IBM** | Issued: Jun 2025 | Credential ID: e725da751c9d405db7a39798a1d17b95
- Fundamentals of Big Data processing, RDD architecture, and Dataframes for large-scale analysis.

SQL - MySQL for Data Analytics and Business Intelligence

- **Udemy** | Issued: May 2025 | Credential ID: UC-deeffdd12-df00-46e1-8631-9fb7c9fd3bc4
- Ability to design normalized database schemas and execute complex analytical queries for BI.

Education

UOC (Universitat Oberta de Catalunya) Sept 2026 – June 2029
Bachelor's Degree in Computer Engineering

FP Euroformac, Madrid Oct 2025 – Apr 2026
Master's Degree in Big Data and Artificial Intelligence

FP Euroformac, Madrid Sept 2023 – May 2025
Higher Technician in Web Application Development

- Special Mention: Award for Best Academic Record.

Skills

AI Architecture & Data Engineering: Scalable systems design, Data modeling, AI Pipelines, Python (Pandas/NumPy).

Data Logic & Business Intelligence: Strategic SQL, Power BI (Complex dashboards), Solution architecture, Problem solving.

Languages

English: Aptis Level C

Spanish: Native