

SERGIO CARRASCO SÁNCHEZ

Senior Data Engineer
Lead Data Scientist
Software Engineer

- ✉ carrascosanchez2020@gmail.com
- ☎ +34 649554043
- 📍 Alicante (Spain)
- 🌐 [LinkedIn](#)
- 🐙 [Github](#)

EDUCATION

Master's Degree, Business
Analytics & Big Data

IMF Smart Education
University of Nebrija
📅 2019 - 2020

- Awards
- Master's Thesis: "Sales Prediction & Anomaly Detection in COVID-19 Using Stock Market & News Data" (Scored 10/10)

Degree in Computer Science
University of Alicante
📅 1999 - 2003

SKILLS

Tech Skills

- **Cloud Platforms:**
AWS, GCP, Azure
- **Big Data Technologies:**
Spark, Databricks, Snowflake, Hadoop, Kafka
- **Workflow Orchestration:**
Airflow, AWS Step Functions, NiFi
- **ETL & Data Pipelines:**
dbt, Stitch, Talend
- **Containerization & DevOps:**
Docker, Kubernetes

CAREER OBJECTIVE

Senior Data Engineer with 10+ years of experience designing scalable data architectures, automated ELT pipelines, and governance frameworks. Specialized in cloud-based data engineering, workflow orchestration, and real-time integration, ensuring performance, security, and reliability. I thrive on building high-performance data solutions that empower businesses to extract value from data and drive strategic decision-making.

I am seeking an opportunity to apply my data engineering expertise in a dynamic environment, where I can optimize data systems, enhance automation, and contribute to data-driven innovation collaborating with cross-functional teams.

PROFESSIONAL EXPERIENCE

Senior Data Engineer

Latency Data

📅 2024 - current 📍 Remote

Architecture & Scalable Data Solutions:

- Designed and implemented scalable data architectures to support high-performance analytics and AI-driven decision-making.
- Developed Medallion-based ELT pipelines using Databricks, Spark, and AWS, optimizing data ingestion and transformation.
- Established data governance frameworks, enforcing standardized models, lineage tracking, and compliance best practices.

Data Integration & Workflow Orchestration:

- Built end-to-end ELT processes to integrate structured, semi-structured, and unstructured data from multiple sources.
- Automated data ingestion workflows using Airflow and AWS Step Functions, ensuring efficient and fault-tolerant processing.
- Designed a data consolidation layer that unified disparate data sources, enabling comprehensive analytics and reporting.

Performance Optimization & Cost Management:

- Monitored system performance, identifying bottlenecks and inefficiencies to improve throughput and reliability.
- Optimized Spark and SQL-based transformations, reducing processing time and compute costs in cloud environments.
- Developed cost-efficient data storage strategies, balancing latency, scalability, and budget constraints.

Lead Data Scientist / Data Engineer

Exponentia Team

📅 2021 - 2024 📍 Remote

Leadership in Data Engineering Projects:

- Directed cross-functional teams, mentoring data scientists and engineers in building production-ready data solutions.
- Led enterprise data platform modernization, integrating cloud-based architectures and automated data workflows.

Cloud Data Pipelines & Infrastructure:

- Designed and implemented ETL pipelines with Airflow and dbt, automating data ingestion and transformation.
- Built BigQuery-based data warehouses, enabling real-time analytics for business intelligence and reporting.

- **Programming:**
Python, Scala, Shell scripting
- **Database & Storage:**
BigQuery, Redshift, MongoDB, Cassandra, Neo4j, PostgreSQL, MySQL

Soft Skills

- Leadership & Mentoring
- Communication & Collaboration
- Analytical Thinking & Problem-Solving
- Project & Time Management

Languages

- Spanish (Native)
- English (Upper-Intermediate)
- Catalan (Upper-Intermediate)

- Managed distributed computing environments (Spark, Databricks, and Redshift) to support large-scale data processing.
- **Data Quality & Governance:**
- Developed data validation frameworks to enforce data integrity, consistency, and lineage tracking.
- Implemented automated data testing (Great Expectations, dbt tests) to ensure high accuracy in analytical models.

Data Scientist

Overant Internet S.L.

📅 2018 - 2021 📍 Alicante

Machine Learning & Predictive Analytics:

- Engineered a classification model for spam filtering, reducing spam receipts by over 50%, improving email security.
- Developed a web traffic prediction model using Google Analytics API, increasing storage forecast accuracy by 30%.
- Designed a hybrid product recommendation system, boosting e-commerce annual turnover by 35% through optimized personalization.

Data Engineer

Overant Internet S.L.

📅 2015 - 2018 📍 Alicante

Cloud Migration & Infrastructure Optimization:

- Led cloud migration initiatives to Google Cloud, reducing operational costs by 50% and improving scalability.
- Built real-time data pipelines for fraud detection, anti-spam filtering, and performance monitoring.

Security & Automation:

- Designed secure authentication protocols and monitoring systems, reducing unwanted traffic by 40%.
- Implemented automated CI/CD workflows for deploying data pipelines in a high-availability environment.

Senior Software Engineer

Overant Internet S.L.

📅 2005 - 2015 📍 Alicante

Enterprise Software Development:

- Led the development of a modular ERP system, increasing company revenue by 30% through automation.
- Designed data integration pipelines for e-commerce analytics, CRM, and reporting dashboards.
- Engineered high-availability APIs for real estate platforms and financial services.

PROJECTS

Saturdays.AI (ANBAN) | ML & Python Teacher & Mentor

📅 2022 - current