

# Alfonso Manuel Baena González

## Data Architect / Senior Data Engineer

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Data Engineer with strong Analytics Engineering skills, problem-solving and passionate about the technical aspects with open experience in leadership, mentoring and strategic business thinking.

Committed to the latest technologies and best practices to create architecting cutting-edge data solutions, thereby driving operational excellence and system reliability. Interested in Solution Architecture / Site Reliability Engineering (SRE) within the data domain.

*"Always curious, always learning"*

### RELEVANT WORK EXPERIENCE

Next Digital Hub, Spain (Remote)

Senior Data Engineer / Data Architect

may. 2021 - Present

feb. 2024 - Present

- Define **data governance** for a data platform serving over 100 data engineers and analysts, following data mesh principles.
- Maintained and optimized** an AWS-based data platform, giving system design and technical aspects support.
- Led proof-of-concepts** with new AWS services and defined their adoption focusing on cost improvements and transitioning to a modern data stack and serverless approach.
- Created documentation and defined frameworks for batch processing methodologies, following **DevOps/GitOps philosophies** to ensure developer efficiency and experience.

Senior Data Engineer / Team Leader

may. 2021 - feb. 2024

- Led a squad** of Data Engineers/Analysts for Iberia.
- Gathered requirements, designed end-to-end data products and collaborated with cross-functional teams.
- Led **dbt** standardization (structure, testing, TDD, integrations, and deployment) and promoted the **adoption**.
- ETL/ELT** processes using dbt, **airflow**, **AWS** (Redshift, S3, EKS, ECS, EMR...) and visualized in **PowerBI** service.
- Implemented **CI/CD** pipelines using Gitlab reducing times from minutes to seconds while reducing costs.
- Mentored** and participated in the technical selection of data engineers.
- Experience in a 24/7 on-call support team with over 20 critical services from Iberia Data Platform.

Future Connections, Málaga - Spain (Hybrid)

Data Engineer

jun. 2019 - may. 2021

jun. 2019 - may. 2021

- Developed multiple use cases (including geospatial analysis) on T-Mobile's Big Data platform using **PySpark/Hive**, in addition to **python/bash** in a non-distributed way.
- Migrated the data orchestration from NiFi to **Airflow**, including deploying and maintaining the Airflow infrastructure.
- Participated in churn detection and clustering projects using PySpark and MLlib.
- Provided **infrastructure**, including **EC2** and **RDS** on AWS, for cloud-based data processing.
- Administered and maintained Linux on-premises systems, ELK stack deployment and develop on it (also relational databases, Kibana...).

Dekra, Málaga - Spain

RF Engineer Trainee

nov. 2018 - may. 2019

- Automated manual processes** with Python/Bash and web-scraping
- Performed software and hardware radiofrequency tests on mobile communication devices (3G, 4G)

### EDUCATION

- Bachelor Degree in Telecommunication Technologies Engineering @ University of Malaga - UMA
- Cambridge English: Preliminary (PET) @ University of Cambridge

### RELEVANT CERTIFICATIONS

-  AWS Certified Cloud Practitioner
-  AWS Certified Developer – Associate
-  AWS Certified Solutions Architect – Associate
-  AWS Certified Data Engineer – Associate
-  AWS Certified Data Analytics – Specialty
-  Professional Scrum Master™ I (PSM I)
-  dbt Analytics Engineering Certification
-  2x Astronomer Certification for Apache Airflow
-  HashiCorp Certified: Terraform Associate (003)

### SKILLS

Python

SQL

Linux

OOP

TDD

Redshift

dbt

Airflow

Dimensional modeling

Data quality

Spark

Hive

PowerBI

Git

CI/CD

IaC

AWS

Docker

K8S

Grafana

Agile (Scrum)

Leadership

Communication

Mentorship

Problem-solving