

Alfonso Manuel Baena González

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)

may. 2021 - Present

Senior Data Engineer / Team Leader

- 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**
- Defined **data quality** with dbt/airflow. Monitoring services and processes with Grafana and Prometheus
- 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)

jun. 2019 - may. 2021

Data Engineer

feb. 2020 - may. 2021

- Developed multiple use cases on T-Mobile's Big Data platform using **Spark and Hive**
- Developed and visualized **geospatial analysis** use cases utilizing technologies such as Spark, Hive, and QlikView
- 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.

RAN Engineer / Data Engineer

jun. 2019 - feb. 2020

- Developed ETL processes primarily in **Python**
- Provided **infrastructure**, including **EC2** and **RDS** on AWS, for cloud-based data processing
- Administered and maintained Linux on-premises systems
- Utilized the ELK stack (Elasticsearch, Kibana..) for non-relational database management, log handling, and visualization in Kibana. Proficient in relational databases including **PostgreSQL** and MySQL

Dekra, Málaga - Spain

nov. 2018 - may. 2019



RF Engineer Trainee

- Automated manual processes** with Python and extracted data through web scraping
- Developed data management and data access software mainly in Python and Bash
- 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 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