Alfonso Manuel Baena González

Data Architect focused in Platform Engineering with strongs Analytics Engineering skills.

⊕ Remote, Spain

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About

Data Architech/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. Currently focused on platform engineering in the data domain, designing, implementing, and driving the adoption of: Modern Data Stack, Data Mesh, GitOps and everything-as-code platform-based, data governance (catalog, lineage, DQ...) mainly on AWS

"Always curious, always learning"

Experience

Next Digital Hub   2024 - Actual
Data Architect - Platform Engineer

- Define data governance for a data platform serving over +150 data engineers and analysts, following data mesh principles.
- Led the decision-making process for the platform's data governance tool (DataHub, OpenMetadata), including its design, deployment, and implementation on AWS.
- Maintained and optimized an AWS-based data platform, giving system design and technnical 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.

Next Digital Hub   2021 - 2024
Senior Data Engineer - Tech Lead

- 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   2019 - 2021
Data Engineer

- 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...).

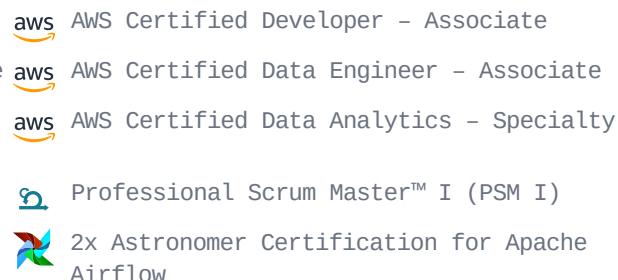Dekra   2018 - 2019
RF Engineer - Trainee

- Automated manual processes with Python/Bash and web-scraping.
- Performed software and hardware radiofrequency tests on mobile 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 SysOps Administrator – Associate   AWS Certified Data Analytics – Specialty

ClickHouse Certified Developer   Professional Scrum Master™ I (PSM I)

dbt Analytics Engineering Certification   2x Astronomer Certification for Apache Airflow

HashiCorp Certified: Terraform Associate (003)

Skills

Python   SQL   Bash   AWS   Terraform   Spark   GitOps   Airflow   dbt

Terraform   Containerization   k8s   Leadership   Mentorship