**NICOLAS ARAGON BARRERO**

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**Nationality:** Spanish

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**Stack Overflow**: https://stackoverflow.com/users/9315630/nico-arbar

**Address:** Madrid, Spain - Available for relocation

**SUMMARY**

I am a Data Engineer with experience in consulting in the end-to-end process of managing analytic systems. From analyzing the business requirements with the clients, to implementing the business model by designing the relational database, extracting, transforming and loading the data into databases, and managing the visualization of the data into reports and dashboards. Always analyzing the quality and the integrity of the data in every step of the process. I hold several cloud certifications from AWS, Azure and GCP.

**PROFESSIONAL EXPERIENCE**

**Role:** Senior Data Engineer

**Company:** Cognizant

**Location:** Madrid, Spain

**Period:** February 2022 - Present

**Responsibilities:**

Responsible for the Data Engineering backend of a big retailer company in the world.

Analyzing the data, we need to use in order to deliver the data required by the business units. Being in touch with the client every day to understand what they want to achieve and translating that into code design.

Managing a small team of developers and establishing the standards for coding, testing in the repository. Reviewing architectural decisions with the platform architect. Designing and coding ETL processes. Pair programming with some of the junior developers and mentoring them.

Working in Azure, using Databricks (using the pyspark framework) for ETL, Azure Datalake to store the data, and Azure DataFactory for orchestration and Synapse as a datawarehouse.

**Role:** Junior Data Engineer

**Company:** Indra (Minsait)

**Location:** Madrid, Spain

**Period:** March 2018 - February 2022

**Responsibilities:**

Analyzing the business requirements of the client to implement a datawarehouse and a datamart to analyze operational data.

Designing and creating the relational database to implement the business model, using traditional databases such as Teradata, or on cloud platform using Amazon Web Services databases such as Athena and Redshift extracting the data from an S3 datalake.

Designing the ETL process that goes from having the data in flat files from the datalake to the datamart. Using SAP Data Services for traditional ETL processes, and in AWS Glue using Pyspark, Lambda functions and Step Functions.

Designing the relational model for the data visualization and creating reports using Microstrategy Developer.

Attending and solving the possible issues in the data quality and integrity in the data flow from end to end. Improving the performance of AWS Glue Jobs and SQL queries, that make up the ETL process and the reports in the visualization. Presenting the client different reports using data visualization and offering possible solutions based on their needs.

**Role:** Assistant to Ambassador - Internship

**Company:** Spanish Ministry of Foreign Affairs

**Location:** Madrid, Spain

**Period:** October 2015 – February 2016

**Responsibilities:**

Assistant to the Spanish Ambassador for the Pacific Alliance office, Rafael Dezcallar de Mazarredo (Currently Spanish Ambassador in China).

Political analysis of the role of Spain in Latin America and the Pacific Alliance, and implementation of its policies and commercial activities.

Organizing staff related issues such as meetings, preparing talking points in the agenda and developing proposals.

**Role:** Research Intern

**Company:** Vlaams Instituut voor Biotechnologie of Ghent University

**Location:** Ghent, Belgium

**Period:** February 2013 – September 2013

**Responsibilities:**

Research for my Master Thesis of Biochemistry: *Study of A20 in intestinal inflammation.*

Researching the molecular pathways concerning NF-KB as a regulatory factor regarding inflammation, concerning the A20 protein and its regulation in inflammation response in the intestinal tract.

Statistical analysis and experimental design.

**EDUCATION**

**Degree:** Master in Big Data and Business Analytics

**University:** IMF Business School / Universidad Camilo José Cela

**Location:** Online

**Period:** November 2018 – November 2020

**Degree:** Bachelor in Philosophy

**University:** Universidad Autónoma de Madrid

**Location:** Madrid, Spain

**Period:** September 2010 – July 2016

**Degree:** Bachelor in Biochemistry

**University:** Universidad Autónoma de Madrid

**Location:** Madrid, Spain

**Period:** September 2008 – July 2014

**UNIVERSITY SCHOLARSHIPS TO STUDY ABROAD**

**Scholarship:** Convenios Internacionales Scholarship – Bachelor in Philosophy

**University:** University of Melbourne

**Location:** Melbourne, Australia

**Period:** February 2015 – June 2015

**Scholarship:** CEAL Scholarship of Banco Santander - Bachelor in Philosophy

**University:**  Instituto Tecnológico de Estudios Superiores de Monterrey

**Location:** Mexico City, Mexico

**Period:** August 2014 – December 2014

**Scholarship:** Erasmus Scholarship - Bachelor in Biochemistry

**University:**  Ghent University

**Location:**  Ghent, Belgium

**Period:** September 2012 – September 2013

**TECHNICAL CERTIFICATIONS**

* AWS Certified Solutions Architect Associate
* AWS Certified Developer Associate
* AWS Certified Data Analytics Specialty
* AWS Certified Machine Learning Specialty
* Azure Fundamentals
* Azure AI Fundamentals
* Azure Data Engineer Associate
* Azure Data Scientist Associate
* Google Cloud Digital Leader
* Databricks Data Engineer Associate

**COMPUTATIONAL SKILLS**

**Data Analysis**: SQL, Teradata, SAP Data Services, Microstrategy

**Programming Languages:** SQL**,** Python, Pyspark, R, bash scripting.

**Methodologies:** CI/CD, Git, Agile Methodology

**AWS services:** S3, Athena, Redshift, Dynamo, Glue, Lambda, Step Functions, SNS, Secrets Manager, Cloud Watch, Cloud Trail, Sagemaker, Cloud Formation, Code Build, Code Commit, Code Deploy, Code Pipeline, SAM, AWS Marketplace

**Azure Services:** Blob Storage, Synapse, Databricks, Data Factory, Key Vault, Azure Machine Learning, Azure Devops

**LANGUAGES**

Fluent in Spanish and English.