

MIGUEL Á. BENÍTEZ ALGUACIL

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AI ENGINEER | GENAI, AGENTS & PRODUCT DEVELOPMENT

Data Scientist with an engineering background, specialized in GenAI and product development. I have held roles in software development, data, and technical coordination. Currently building LLM agents (LangChain/LangGraph) integrated across multiple channels, as well as full-stack applications with FastAPI + React deployed to the cloud. I approach every project with the end product in mind, applying best practices to ensure scalability and maintainability.

SKILLS

- **Programming Languages (+ Framework):**
 - **Advanced:** Python (FastAPI)
 - **Intermediate:** JavaScript & TypeScript (React)
- **GenAI:** LangChain, LangGraph, RAG, agent design, prompting, multi-agent architecture
- **Data Science:** Scikit-learn, Pytorch, Tensorflow, PySpark, Numpy, Polars/Pandas
- **Cloud:** GCP (BigQuery, Vertex AI, Looker), Azure (AI Foundry, App Services)
- **Databases:** SQL (SQL Server, MySQL), NoSQL (MongoDB), Vector DBs (Milvus, Qdrant)
- **Tools:** git, Git Flow, Docker, Atlassian (Jira, Confluence)
- **Languages:** Spanish (Native), English (C1 - Cambridge)

PROFESSIONAL EXPERIENCE

AI Engineer

December 2024 - April 2026

GPU Solutions (BIAI Technology)

- Design and development of **LLM agents** using **LangChain and LangGraph**, following a **multi-agent architecture** with layer separation (**Clean Architecture**), integrated into channels such as **WhatsApp, Microsoft Teams**, and a **web interface**.
- End-to-end project development in **Python (FastAPI) + ReactJS**, applying **best practices**: modular architecture, typing, validation, error handling, and traceability (**pre-commit, Git Flow**).
- Implementation of **data extraction and transformation pipelines** in Python to feed the **RAG** system, indexing into **vector databases** (Milvus/Qdrant).
- **Model and agent monitoring** based on logging and **dashboards** for tracking performance, errors, and usage.

Technical Lead (AI Projects)

October 2023 - November 2024

Educa Edtech Group

- **Led a multidisciplinary software and data team**, ensuring **delivery of high-quality projects** aligned with company objectives.
- **Coordinated team communication** with different departments, ensuring that expectations and project requirements were met efficiently.
- Implemented **agile methodologies** to optimise workflow, **improve team collaboration**, and reduce delivery times.
- **Designed and maintained a centralised database (MySQL/BigQuery)** and developed **ETL pipelines in Python** to ingest and unify data from analytics tools and other internal databases.

Junior Data Scientist
Educa Edtech Group

August 2022 - October 2023

- Implemented an **automatic translation project for text, video, and images** using advanced NLP techniques.
- Collaborated with the **marketing department** to **analyse websites**, detecting content inconsistencies using **analytics connectors**.
- **Designed and developed an AI-powered centralised platform** to host content from **all group websites**, optimising information management and distribution.
- Designed a **product information synchronisation system across different databases**, ensuring data consistency and currency throughout the central platform.

Junior Software Developer
Educa Edtech Group

May 2022 - August 2022

- **Designed SQL databases**, ensuring efficient and **scalable data structures**.
- **Developed APIs in Python (FastAPI)**, facilitating communication and integration between systems.
- Supported **software project development** using **PHP** (Laravel and Phalcon), as well as contributing to the company's **CRM development**.

Internship - Ícaro Programme
Web Area, CEPRUD (University of Granada)

March 2021 - October 2021

- Managed and maintained **CMS platforms (WordPress and Drupal)**, including the implementation of new features in Drupal to improve platform stability and usability.

EDUCATION

Master's Degree in Data Science and Computer Engineering
University of Granada

2023 - 2025

- Specialisation in Data Science and Intelligent Technologies

Bachelor's Degree in Computer Engineering
University of Granada

2017 - 2022

- Erasmus academic year at Åbo Akademi University (Turku, Finland)

CERTIFICATIONS & CREDENTIALS

Getting Started with Deep Learning (ID: M0S7oiZMQcO9R966P9O6-Q)
NVIDIA Deep Learning Institute

2026

Building LLM Applications With Prompt Engineering (ID: v4rq1bLWQO-q2Ymc5WeYfw)
NVIDIA Deep Learning Institute

2026

Fundamentals of Accelerated Computing with CUDA Python (ID: fxy9PAM8SDS_Q3KIOR6FIA)
NVIDIA Deep Learning Institute

2026