

ÁLVARO ESTEBAN SUÁREZ LOZANO

Madrid, Spain | +34 671 35 99 09 | alvaro.suarez2212@gmail.com

Skills

Programming & Backend: Python, Java, FastAPI, Spring Boot

Cloud & Data Platforms: Azure (Event Hub, Data Factory, Blob Storage), Google Cloud Platform, Big Data pipelines, microservices architecture, Medallion architecture, real-time streaming & batch processing

Databases & Visualization: MongoDB, PostgreSQL, PowerBI

Security & Networking: Network scanning and reconnaissance (Nmap), traffic analysis (Wireshark), web application security testing (Burp Suite), penetration testing frameworks (Metasploit), OSINT investigation (Maltego, custom Python scripts) — self-directed study and personal projects

LLM Deployment & Tooling: Local deployment and optimization of open-weight LLMs (7B–13B, Llama/Mistral family) using LM Studio and llama.cpp on Linux — model quantization (GGUF) and inference parameter tuning (context length, batch size, GPU/CPU offload); agentic coding workflows using OpenCode — personal projects

Work Experience

Globant (LaLiga Tech & Sportian) - Senior Software Engineer

Oct 2022 – Present

- Senior Software Engineer focused on Python and Cloud development under Azure infrastructure, working across three major data platform initiatives for LaLiga Tech and Sportian.

LDE (LaLiga Data Entities) — Multi-tenant Sports Master Data Platform

- Designed and built a multi-tenant master-data platform unifying sports data from multiple disciplines and providers, resolving and reconciling entity identifiers across heterogeneous sources.
- Architected a microservices-based system on Azure (Python) combining push/pull ingestion (REST APIs and Event Hub) with a data lake following the Medallion architecture, supporting both real-time streaming and batch (slow-layer) processing.
- Enabled inter-service communication via Event Hub and exposed unified master data to multiple external clients through a REST API layer under a shared multi-tenant model.

3D Tracking Data Integration

- Extended a football-match 3D rendering application (built on Sony Hawk-Eye technology) to support a new third-party tracking data source (Tracab), enabling drop-in compatibility without modifying the consuming application.
- Built a streaming microservices pipeline in Python on Azure that ingested real-time frame data, transcoded it to MPEG-DASH, and persisted it in cloud storage.
- Exposed processed tracking data via a FastAPI REST service, preserving seamless integration with the existing data contract.

CTA — AI-Powered Referee Designation System

- Built an AI-assisted referee assignment system for LaLiga's first and second divisions, combining historical committee evaluations with match-day constraints to recommend optimal officiating teams via an optimization engine.
- Modeled assignment scoring based on referee performance history, preferences, birthplace/team conflicts, and other constraints; generated natural-language justifications for each recommendation using an LLM.
- Implemented in Python on Azure, ingesting evaluation data via Event Hub and serving designations to a referee-selection application through a FastAPI REST API.

Freelance - Senior Software Engineer and Cloud Architect

Jan 2024 – Present

- Designed from scratch a Big Data platform about Spanish energy system data for ISEO, a recent created startup.
- Azure services as core of the company, with Python as main language. Also working in data visualizations with PowerBI.

KANARA Sportech - Backend Lead

Dec 2020 – Oct 2022

- Started as a senior backend engineer working with nautical sports data gathered from smartwatches, built an ETL architecture. Continued as technical lead on the backend side of the company, managing a team of 4 engineers.
- Built all the backend systems of the company from scratch under Google Cloud using Python as main language and FastAPI as Framework. Also worked extensively with MongoDB.
- Startup environment.

Freelance - Senior Software Engineer

Aug 2020 – Dec 2020

- Short project to develop a sync service between Google Sheets and PostgreSQL tables for a client.
- Telecommunications Client.

Quirumed - Software Engineer

March 2020 – Sept 2020

- E-Commerce company developed some services to translate products and to control stock.

Almis - Junior Software Engineer

Apr 2019 – March 2020

- Web application development for financial analysis.

El Corte Inglés Seguros - Junior Software Engineer

Sept 2018 – Apr 2019

- Backend development with Java 8 using Spring Boot.

Education

- Bachelor of Computer Science 2014 – Expected Jan 2027
Universidad Politécnica de Madrid
- Undergraduate Thesis (in progress, expected Jan 2027)
Framework for evaluating the capacity of various LLMs to generate and detect argumentative fallacies.