



Jairo Garcia Antolin

Software & Artificial Intelligence Developer

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🌐 <https://jagardev.vercel.app>

Summary

Software developer focusing his career on data management, REST API creation, building scalable architectures, and expanding knowledge towards data engineering and artificial intelligence.

Proficient in a modern backend stack based on Python, FastAPI, Django, PostgreSQL, and Java, complemented by frontend technologies (Astro, Tailwind CSS, React), alongside DevOps technologies (Git, GitHub, Docker, Kubernetes), and utilizing modern AI tools to boost productivity (Gemini, Claude, etc.).

Solid previous experience in corporate environments managing data analytics processes and optimizing workflows.

Experience

Data Control Malaga - Spain
Software Developer Internship 03/2026 - 07/2026
Assisted in database management, data transformation, and e-learning platform administration to support core IT operations.

- Engineered and executed complex data manipulation workflows using DataFlex and SQL, improving database efficiency and data integrity.
- Designed, updated, and maintained relational databases and interactive dashboards for real-time data monitoring and operational reporting.
- Administered and customized Moodle LMS platforms, managing user roles, system configurations, and technical integration requirements.

PwC (PricewaterhouseCoopers) Malaga - Spain
Independence Specialist / Data & Compliance Specialist 01/2024 - 03/2026
Management, analysis, and validation of corporate data in a Big Four firm.

- Analyzed and processed large volumes of corporate data to ensure regulatory compliance and independence in acquisitions and strategic alliances.
- Optimized document review and auditing workflows, improving team operational efficiency.
- Collaborated in the integration of data analytics processes, ensuring information accuracy.

OPPLUS Malaga - Spain
Bank Dispute Manager 05/2022 - 12/2022
Processing of files and resolution of incidents in the financial sector.

- Comprehensively managed documentary databases for processing financial claims.
- Verified regulatory compliance in banking and institutional processes.

Instalaciones Smart Spain Palencia - Spain
Photovoltaic Installations Sales Manager 07/2021 - 12/2021
Commercial management and technical advice for photovoltaic energy projects.

- Developed sales strategies and personalized advice for the implementation of solar installations, aimed at energy efficiency.
- Followed up on the client portfolio and processed installation files with public administrations.

Oregon Comercial Palencia - Spain

Administrative support and management of Back Office operations.

- Provided operational support and data processing in internal systems for energy sales.

Education

IES Zaidin Vergeles

Specialization Diploma in AI & Big Data

Artificial Intelligence and Big Data

Granada - Spain • 2026-2027

- Specialization in AI models, Machine Learning, processing of massive data (Big Data), and Data Engineering.

CESUR

Higher Diploma in Web Applications Development

Web Application Development

Malaga - Spain • 2024-2026

- Acquisition of solid fundamentals in Web Software Architecture, applying agile development methodologies.
- Comprehensive programming of Backend and Frontend environments, building full-cycle solutions.
- Design, normalization, and optimization of Relational and Non-Relational Databases.
- Development, consumption, and deployment of integrations using structured RESTful APIs.

FP Eden

Vocational Certificate in Business Administration

Administrative Management

Palencia - Spain • 2015 - 2019

- Comprehensive training in financial accounting, billing, treasury, and human resources management.
- Training in the use of corporate office tools and Enterprise Resource Planning (ERP) systems.
- Development of skills in customer service, document archiving, and processing with public administrations.

Colegio San Jose

Compulsory Secondary Education

Compulsory Secondary Education

Palencia - Spain • 2009 - 2014

Projects

Sampleton

2026

Comprehensive full-stack web application for audio file consumption.

- Designed and programmed a complete end-to-end solution, covering both the backend and frontend ecosystems.
- Configured and managed the relational databases necessary for data persistence and management.
- Documented the technical workflow through inline comments, README file, and UML and ER diagrams.

Web Portfolio (jagardev.vercel.app)

2026

Personal web platform for the exhibition of projects and software architecture.

- Designed and developed a modern frontend application, optimized for SEO and web performance.
- Deployed the infrastructure on Vercel, configuring a continuous integration environment.
- Structured the code with modular and reusable components, applying strict responsive design methodologies.

AI Text Summarizer

2025

Backend application based on Artificial Intelligence for natural language processing (NLP).

- Developed the system architecture for the efficient consumption of language model (LLM) APIs.
- Systematized the extraction and synthesis of key information from large volumes of text (summarization automation).
- Maintained version control and open-source code deployment through repositories on GitHub.

RPG System Prototype

2023

Prototype of an RPG video game engine and system developed natively in GameMaker.

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Programmed from scratch the algorithmic logic and game systems without AI assistance, demonstrating solid programming foundations.

- Developed a persistent save system through parsing and serialization of JSON files.
- Implemented iterable data structures (arrays) for the dynamic management of inventories and internal databases.
- Designed interaction mechanics, collisions, fluid movement, and structured dialogue systems.

Skills

Backend Development

Java, Python, Django, FastAPI, PostgreSQL, MySQL, Docker, RESTful APIs, Software Architecture

Frontend Development

HTML5, CSS3, JavaScript, React, Astro, Tailwind CSS, Responsive Web Design

DevOps

Git, GitHub, Docker, Kubernetes

AI Tools

ChatGPT, Copilot, Claude, Gemini, Antigravity, Cursor

B Driving License

Languages

Spanish

Native

English

C1

Awards

Videogame European Champion

2016

ESL Gamescom

Demonstration of a high-level competitive mindset focused on objectives, strategic thinking, and analytical skills under pressure by securing the first European place in the Elsword competitive circuit at Gamescom in Cologne (Germany).

<https://youtu.be/oUdM4gnJ1Lo?si=8WVGjrP7RDWBvDxe>