



Juan García Moreno

Junior Software Developer

Computer Engineering graduate focused on backend and full-stack development, with hands-on experience in REST APIs, databases, Docker, and web application deployment.

Contact

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Technologies

Programming Languages

Java Python C C++
JavaScript TypeScript SQL

Backend

FastAPI REST APIs JWT
SQLAlchemy Uvicorn

Frontend

React HTML5 CSS3
Bootstrap Material UI

Databases

PostgreSQL MySQL

Tools

Git GitHub Docker
Linux VS Code Netdata

Languages

Spanish Native
English B1 / B1+

Availability

Available immediately to start as a **Junior Software Developer**, with a preference for Madrid and flexibility to relocate or consider opportunities in other cities.

Professional Profile

Computer Engineering graduate from the University of Córdoba, focused on **backend and full-stack development**. I have hands-on experience developing applications with Python, FastAPI, React, TypeScript, PostgreSQL, and Docker, including REST API design, authentication, database management, testing, and deployment. I am currently seeking my first professional opportunity as a **Junior Software Developer**.

Education

BSc in Computer Engineering 2022 – 2026

University of Córdoba – Higher Polytechnic School of Córdoba

Coursework in programming, databases, software engineering, computer networks, operating systems, artificial intelligence, and application development.

Erasmus 2025 – 2026

Hellenic Mediterranean University – Heraklion, Crete

International academic experience with coursework in computer networks, cybersecurity, neural networks, computer graphics, and applied projects taught in English.

Projects

Trip Planner [GitHub](#)

React, TypeScript, FastAPI, PostgreSQL, SQLAlchemy, Docker, JWT

Full-stack web application for planning and managing personal trips. Includes a REST API, JWT authentication, trip, activity, expense, participant, document, note and checklist management, asynchronous tasks, external service integration, PDF generation, and containerized deployment.

NS-3 WiFi Performance Simulation [GitHub](#)

C++, NS-3, Python, Matplotlib, CSV, Linux

WiFi network simulation designed to analyze throughput, delay, and packet loss across different distances, traffic loads, and propagation models.

Sports Event Ticketing System [GitHub](#)

Java, MySQL, JDBC, MVC, DAO, DTO

Java console application for managing sports events, tickets, payments, ratings, and refund requests using MVC architecture and DAO/DTO patterns.

Achievements and Activities

Second Place in University Hackathon University of Córdoba

IntubIA Project

Developed a prototype based on Raspberry Pi, PyQt5, MediaPipe, and machine learning to support the detection of difficult intubation. Contributed to the frontend, hardware architecture, and model integration.

University Student Assistant University of Córdoba

Linux, Proxmox VE and Virtualization

Configured a Linux environment with Proxmox VE and set up a virtualization server for academic and laboratory use.