

# Jose Gaspar

SOFTWARE ENGINEER / IA , FULLSTACK & DEVOPS

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## ABOUT ME

For over 4 years, I have been leveraging technology to solve everyday problems. I am passionate about simplifying processes, automating tasks, and transforming innovative ideas into solutions that genuinely help people. As a software engineer, I have hands-on experience in full-stack development with modern frameworks like NestJS and Next.js, and a growing expertise in creating impactful, scalable AI solutions using tools like n8n and LangChain.

## EXPERIENCE

### Hi Beauty, Software Engineer, November 2024 – September 2025

- Developed a high-throughput notification microservice using NestJS and Redis, capable of sending over 500,000 messages per day.
- Engineered a comprehensive User-Generated Content (UGC) management module to streamline content moderation and display.
- Built and maintained a shipping system responsible for processing more than 2,000 shipping guides monthly.

### ManacLOUDS, Software Developer, August 2023 – November 2024

- Built a custom forms platform from the ground up using React and Node.js for Conservas Isabel, achieving an 80% optimization in their internal processes.
- Led the development of a lead generation website for Grupo Moracosta, which included a full integration with their social media channels to automate customer acquisition.

### Rave Construcciones S.A.S, Fullstack Developer / AI Specialist, March 2022 – July 2023

- Designed and implemented AI-powered automation workflows using n8n and LangChain to process and analyze data from sustainability reports, reducing manual data entry tasks by 90%.
- Engineered a real-time data visualization dashboard using Next.js for the front-end and a robust NestJS API for the back-end, displaying metrics from IoT sensors on construction sites.
- Developed an internal proof-of-concept chatbot using Large Language Models (LLMs) to provide instant answers to queries regarding construction material specifications and safety protocols.

## PROJECTS

**MeParqueo** Complete IoT system with ESP32 sensors, a PHP API, and a React Native application for a real-time smart parking solution in Montería.

**Orbe** SMB platform with a distributed architecture featuring an AI-powered WhatsApp chatbot, a React dashboard, and a centralized API for business automation.

**CodeScape3D** Educational platform built with React and Redux for the interactive 3D visualization of graph algorithms. This project was presented at the HCI International Conference 2024.

## **EDUCATION**

### **University of Córdoba, Systems Engineering, August 2021 – December 2025**

Served as an academic monitor for the Programming II course, supporting software development instruction and guiding practical lab sessions for students.

### **University of Antioquia, Software Development, March 2022 – September 2022**

Completed a specialization in advanced programming, Scrum methodology, the MERN stack, and scalable enterprise application architecture.

## **SKILLS**

**Fullstack & AI:** NestJS, Next.js, React, Node.js, Python, TypeScript, LangChain, n8n, Large Language Models (LLMs), Redis.

**System & Deployment:** Linux OS (Command-line), Cloud Infrastructure Management, IoT (ESP32), Git & GitHub, CI/CD.

**Development Principles:** Agile Methodologies (Scrum), Problem Solving, Test-Driven Development (TDD), Automation.