# JOSÉ ANTONIO NUEVO CLAVERÍAS

Full-Stack Developer & Al Specialist

#### CONTACT

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#### **CORE COMPETENCIES**

#### Al Architecture & Strategy

End-to-End Al Solution Design, Model Fine-Tuning & Evaluation, Scalable Al Infrastructure, Vector Search Optimization

### Al / Machine Learning

LLM & RAG Integration, Al Chatbots, Prompt Engineering, NLP, LangChain

#### Frontend

React, Next.js (SSR/SSG), Vue.js, TypeScript, JavaScript (ES6+), TailwindCSS

#### **Backend & Databases**

Node.js, Python (FastAPI), Laravel, REST APIs, MySQL, PostgreSQL, MongoDB

#### DevOps & Cloud

AWS (EC2, S3, RDS), Docker, Kubernetes, CI/CD, Git

#### SOFT SKILLS

Technical Leadership & Mentoring Strategic Problem-Solving Cross-Functional Communication Agile Project Management

### **EDUCATION**

# Master's in Full Stack Development

Three Points Digital Business School | 2022

Intensive program focused on enterprise application architecture, microservices, and cloud-native development on AWS with Docker & Kubernetes.

## Higher Tech Degree, Multiplatform Apps

UOC X - Xtended Studies | 2021

Project-based curriculum centered on OOP with Java for native Android and C# for cross-platform solutions, including game development with Unity.

# Higher Tech Degree, Web Apps

Jesuïtes Bellvitge | 2020

Gained a comprehensive foundation in web fundamentals, server-side programming with PHP/Java, and relational database management with MySQL.

# **Professional Summary**

Dynamic Tech Lead and Al Engineer with 5+ years of experience driving scalable, intelligent software solutions. Specializes in end-to-end architecture integrating modern full-stack development (React, Next.js, Node.js, Python) with advanced Al systems, including custom RAG pipelines, LLM fine-tuning, and multi-provider Al orchestration. Skilled in leading cross-functional teams and translating business goals into high-impact technical strategies.

# **Work Experience**

# Software and AI Specialist

Aug 2025 - Present

Freelance, Barcelona

- Advising companies on AI strategy and implementation, including model selection (OpenAI, Llama), fine-tuning, and scalable AWS deployment.
- $\bullet\,$  Architecting custom Al solutions, including Retrieval-Augmented Generation (RAG) systems for enterprise knowledge bases.
- Developing end-to-end AI workflows with vector databases (Pinecone, Weaviate) and implementing cost-effective API orchestration strategies.
- Providing technical consulting on AI ethics, data privacy compliance (GDPR), and performance optimization for production environments.

Tech Lead Oct 2023 - Aug 2025

Recovo, Barcelona

Promoted from Full Stack Engineer

- Directed a team of 3 engineers and spearheaded integration of an **Al-powered recommendation engine** that increased user engagement by 25%.
- Re-architected the frontend with Next.js, TailwindCSS, and TypeScript, improving page load times by 40%.
- Implemented microservices architecture with Docker and Kubernetes.

Tech Lead Aug 2020 - July 2025

Acceleralia, Barcelona

Promoted from Full Stack Developer

- Led technical strategy and **managed a development team** of 4 for a multi-tenant SaaS platform built with Laravel and Vue.js.
- Engineered and deployed an **Al-driven chatbot using an LLM API** which successfully handled 30% of initial customer support queries.
- Optimized database performance and implemented caching strategies, reducing API response times by 50%.

# Full Stack Web Developer

Feb 2023 - Oct 2023

Freelance

- Delivered end-to-end web solutions for clients, building performant e-commerce sites with Next.js and Stripe.
- Developed custom REST APIs with Node.js and ensured high code quality by implementing TypeScript and comprehensive unit tests.
- Implemented responsive design principles and accessibility standards improving user experience across all devices.

# **Personal Projects**

# Memody

https://memody.app

Al-powered application that transforms students' notes into personalized study songs.

- Built with Next.js, Supabase, OpenAl, and ElevenLabs for modern, scalable architecture.
- Implemented **multi-tier subscription system** with **Stripe payment processing** and credit-based quota management.

#### WebDevFactory

https://webdevfactory.dev

Professional landing page for my personal software development company, showcasing services and expertise in full-stack development and AI solutions.

Built with Astro, TypeScript, React and TailwindCSS for optimal performance and SEO.