

NATALIA CALERO FERNÁNDEZ

FULLSTACK & AI DEVELOPER

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I'm a full-stack MERN developer who enjoys crafting fluid, user-friendly interfaces as much as building scalable backend systems. I've deployed AI models to production and care deeply about the project's mission—social impact keeps me motivated. Technically, I focus on performance, clean code, and solving hard engineering problems. I'm looking for a team where I can take ownership of features and ship software that people actually enjoy using.

PROFESSIONAL EXPERIENCE

Full-stack & AI Developer (MERN)

Yotramito | Madrid, Spain

04/2025 – Present

- Provided technical support to internal teams and clients, resolving bugs and driving continuous platform improvements.
- Developed new features using React.js, Node.js, and PostgreSQL, focusing on constant refactoring and clean code best practices to ensure scalability and maintainability.
- Applied advanced AI knowledge from my Master's degree to integrate innovative and highly optimized web solutions.
- Implemented performance optimization techniques, and feature testing to guarantee speed and system stability.
- Maintained and scaled workflows in Make.com and integrated external APIs.

Full-stack & Web3

ChangeTheBlock | Madrid, Spain

10/2023 – 03/2025

- Built full-stack apps using React.js/Next.js (frontend) and Node.js/Express (MVC backend). Progressed from trainee to junior, owning small projects.
- Integrated Web3 ecosystems (ethers.js, Smart Contracts, WalletConnect) alongside REST APIs, bridging decentralized and conventional data flows.
- Implemented JWT/OAuth authentication and RBAC. Designed intuitive UIs translating complex blockchain/financial data into actionable dashboards.
- Managed Big Data pipelines (ETL, cleaning, processing). Built dynamic visualizations that drove key product decisions.
- Optimized backend performance and refactored legacy code, reducing technical debt and improving scalability and maintainability across the stack.

EDUCATION

Master's in Advanced AI

MIOTI, Madrid

03/2026 – 07/2026

- Specialized in Agentic AI, Deep Learning, Computer Vision, NLP, Generative AI, and Reinforcement Learning.
- Built hybrid AI architectures and optimized models for production deployment.
- Developed Master's Thesis (TFM) integrating a web app (MERN stack) with advanced AI models, bridging research and real-world scenarios.

Applied AI Course

Ironhack, Madrid

06/2025 – 08/2025

- Applied Generative AI, data analysis, and process automation with Make.com.
- Worked with Power Query, prompt engineering, and custom AI integrations.
- Implemented solutions following ethical AI frameworks and compliance guidelines.

Professional Diploma in Applied Computing & AI

MSMK University, Madrid

10/2022 – 05/2024

- Higher National Diploma (Pearson HND) with Distinction.
- Built strong foundations in software engineering, databases, web development, and security.
- Explored big data, cloud computing, and machine learning through research projects and rapid prototyping.
- Gained end-to-end vision of technology, including business process support and stakeholder alignment.

SKILLS

- | | | |
|--------------------|-----------------------|----------------|
| • Empathy | • Problem-solving | • Ownership |
| • Active Listening | • Clear Communication | • Adaptability |

SOFTWARE SKILLS

- | | | |
|------------------------|------------------------------------|----------------------------|
| • MERN Stack | • AI integration (LLMs, LangChain) | • Automation (Make.com) |
| • React.js / Next.js | • Machine Learning (DL, NLP, CV) | • Refactoring & Clean Code |
| • Express.js / TypeORM | • Databases & ETL | • Figma (UI prototyping) |
| • Github / AzureDevOps | • Docker | • Supabase |

HOBBIES

CLIENTS PORTFOLIOS

- Design, develop, and deploy custom websites for businesses and individuals to showcase and sell their services.
- Managing the full cycle from UI design to deployment sharpens my client collaboration skills and end-to-end delivery mindset.

PERSONAL PROJECTS

- Build applications that solve real problems I encounter in my daily routine.
- Each project starts from a genuine need and ends with a working tool, keeping me grounded in user-centric design and practical outcomes.