

FERRAN MUNTADA

Senior Technical Lead | Angular & Node.js Architect | Creative Technologist

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PROFESSIONAL SUMMARY

Results-oriented **Technical Lead** and **Software Architect** with over 10 years of experience in the full software development lifecycle. Specialized in **Angular (v2+ to latest)** and **Node.js (NestJS)** ecosystems, with a strong expanding skillset in **Real-Time Rendering** and **Creative Technology**.

Currently operating as a hybrid professional: leading enterprise-level teams at *knowmad mood* while providing specialized freelance consultancy. Committed to Clean Code principles, scalable architecture, and bridging the gap between complex engineering and interactive visual experiences.

TECHNICAL SKILLS

- **Core Stack:** Angular (Expert), TypeScript, Node.js, NestJS, JavaScript (ES6+), HTML5/CSS3.
 - **Creative Tech & Real-Time:** TouchDesigner, Unreal Engine, Real-Time Video Walls, Interactive Installations, Generative Visuals.
 - **Architecture:** NGRX, RxJS, Microservices, Monorepo (Nx), Scalable Front-End Architecture.
 - **DevOps & Tools:** Docker, Jenkins, SonarQube, Git, CI/CD Pipelines.
 - **Leadership:** Team Mentoring, Technical Hiring, Agile/Scrum, Code Reviews, Client Management.
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PROFESSIONAL EXPERIENCE

INDEPENDENT SENIOR CONSULTANT (FREELANCE) | Remote

Jan 2024 – Present

Providing high-level consultancy services concurrently with full-time role.

- **Interview Support:** Partnering with tech companies to conduct technical assessments and mock interviews for Angular/Node.js candidates.
- **Architecture Consultancy:** Advising clients on migrating legacy systems to modern Angular/NestJS architectures to improve scalability.
- **Mentoring:** Providing 1-on-1 mentoring for Junior/Mid developers to accelerate their growth in the TypeScript ecosystem.

TECHNICAL LEAD | knowmad mood | Barcelona, Spain

March 2021 – Present

Leading large-scale, high-performance engineering teams in the Insurance sector (Clients: BBVA, Mutua Madrileña, Orange).

- **Architectural Leadership:** Designed and implemented scalable architectures using **Angular 14+** and **Node.js (NestJS)**. Introduced **NGRX** for robust state management.
- **Department Growth:** Spearheaded the creation of the **Node.js department**, defining coding standards and best practices that enabled the company to acquire new major clients.
- **Performance Optimization:** Improved development methodologies, resulting in faster delivery times and higher code quality (verified via SonarQube).
- **Team Management:** Responsible for technical prescriptions, estimation of new features, and continuous mentoring of the development team.

SENIOR SOFTWARE DEVELOPER & PO | Quantion | Barcelona, Spain

Sep 2017 – March 2021

- **Full Stack Development:** Developed complex web applications using Angular, Node.js, and Ionic.
- **Leadership:** Led agile teams of 3-5 developers, acting as both Tech Lead and **Product Owner**, bridging the gap between client requirements and technical execution.
- **Mobile Deployment:** Managed end-to-end deployment processes for Ionic applications on AppStore and Google Play.
- **Containerization:** Implemented Docker strategies to streamline development and deployment environments.

SOFTWARE ENGINEER | Quantion | Barcelona, Spain

March 2016 – Sep 2017

- Developed web applications focused on Angular 2+ and Node.js with MongoDB databases.
 - Collaborated in Scrum methodologies to deliver high-quality software.
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EDUCATION

Computer Science Engineering

University of Barcelona | 2011 – 2016

Higher Degree in Web Application Development

Salesians Sarrià | 2009 – 2011