

Damian Mendez Romera

Senior FullStack Developer

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Profile

I am a Senior FullStack Developer and tech entrepreneur with extensive experience building enterprise-grade applications, complex user interfaces, and AI-powered business solutions. Over the past several years, I have evolved from working with cutting-edge web technologies to architecting comprehensive software solutions and founding successful AI-driven startups.

My current expertise centers around React, React Native, Node.js, TypeScript, and modern cloud infrastructure, with deep experience in microservices architecture, database design with Prisma ORM, and DevOps practices. I played a key role in developing a comprehensive ESG platform for the mining industry, implementing everything from AI-powered assistance to sophisticated data visualization dashboards and automated reporting systems.

As an entrepreneur, I have successfully built three SaaS platforms from scratch: [NouIA](#) (Andorra's first AI platform with dedicated servers), and [TukiDocs](#) (AI-powered document processing). This entrepreneurial experience has given me deep expertise in AI integration, product strategy, market validation, and building scalable business models.

My technical versatility spans the complete development lifecycle: I architect Docker-containerized microservices, design complex databases, implement CI/CD pipelines, and deploy to AWS infrastructure. I'm equally comfortable building pixel-perfect, high-performance React components as I am designing RESTful APIs and integrating advanced AI capabilities.

I bring significant startup experience from early involvement with [Mural](#) and [Flowics](#), plus experience with the Japanese startup ecosystem where I helped build an innovative file management solution for professional photographers, pushing React performance to its limits while architecting modular, maintainable systems.

I am passionate about user experience and thrive in collaborative environments, combining technical expertise with entrepreneurial mindset to build exceptional software products that solve real-world problems and drive business growth.

Skills

TypeScript – ReactJS – React native – Tailwind CSS – Swift+UIKit – NodeJS – ExpressJS – Prisma ORM – UI – CSS – d3 – Ruby on Rails – Backend – ES6 – TypeScript – Vite – Devops – Docker – AWS – AI

Languages

– English (fluent)
– Portuguese (fluent)
– French (reading proficiency, currently studying!)
– Spanish (native)

Experience

Founder & CTO / *Personal Ventures*

2024 - 2025

[Tukidocs.com](#) - AI-Powered Document Processing Platform

- Built comprehensive SaaS platform for automated document data extraction
- Developed AI systems processing invoices, contracts, and forms across multiple formats
- Implemented direct ERP and accounting system integrations.

[NouIA.com](#) - Andorra's First AI Platform

- Pioneered Andorra's inaugural AI platform offering physically isolated, dedicated servers for maximum data privacy.

Key Achievements:

- Successfully launched two profitable SaaS platforms from concept to market
 - Gained expertise in AI integration, document processing, and privacy-focused infrastructure
 - Developed deep understanding of European business regulations and tax compliance
 - Built sustainable business models across different market segments and pricing strategies
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Software Architect / *Digbee*

2020 - 2025

ESG Platform for Mining Industry

- Architected and developed a comprehensive ESG (Environmental, Social, Governance) platform serving mining companies globally.
- Built microservices architecture with multiple containerized services including Core API, React frontend, PDF generation, and embeddable widgets.
- Implemented AI-powered ESG assistance using OpenAI integration for automated scoring and compliance workflows.
- Designed complex MySQL database schema with 50+ models using Prisma ORM, managing ESG submissions, mining projects, and regulatory data.

Technical Leadership & Architecture

- Led migration from a monolithic system to modern TypeScript/Express.js microservices.
- Established Docker containerization with multi-environment deployment (production, staging, demo).
- Implemented CI/CD pipelines with GitHub Actions, AWS infrastructure (S3, Lambda, SSM), and automated database migrations.
- Built sophisticated data visualization dashboards for mining project analytics and ESG reporting.

Key Technologies: React 18, Node.js, TypeScript, Prisma ORM, MySQL, Docker, AWS, OpenAI API, Google Maps integration, Redux Toolkit, styled-components, Vite

Senior Full-Stack Developer / *Various Companies*

2012 - 2020

Key Roles & Achievements

– SENSU K.K. (Japan) - 1 year - Built innovative GoogleDrive-like system for professional photographers with cutting-edge UI animations running at 60FPS, optimized React performance, and led technical recruitment

– [Flowics](#) - 5 years - Technical Lead from startup phase, architected flagship WYSIWYG web builder enabling non-technical users to create responsive websites, developed complex drag-and-drop systems and data visualization tools using D3.js

– [Mural](#) - 2 years - Core front-end developer during initial product development, built foundational algorithms for element rotation, rich text editing, board scaling/zooming, and physics-based interactions from scratch (pre-library era)

Technical Focus: Advanced JavaScript/React development, complex UI interactions, data visualization, startup technical leadership, performance optimization, and architectural design for scalable web applications.

Software Developer / Enterprise Companies

2007 - 2012

Notable positions at [Network Solutions](#) and [Globant](#) developing cross-browser JavaScript applications. Additional details available upon request.

References

Sean Patterson CEO at Zaang & former CTO at Digbee

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Education

University of Buenos Aires
Bachelor of Science - BS, Computer Science, 2007 - 2011 (Unfinished)