

# Damian Mendez Romera

Senior FullStack Developer

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**Github** <https://github.com/damianmr>

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## Profile

I am a Senior Full-Stack Developer, software architect, and tech entrepreneur with extensive experience building enterprise applications, complex user interfaces, AI-powered products, and scalable cloud infrastructure.

Most recently, I contributed to an open-source project called [ASAP Hub](#) supporting research into Parkinson's disease and autism where I led the migration of a large codebase to React 18, automated updates to more than 10,000 test files, developed an OpenSearch integration, and established system logging and monitoring practices.

As an entrepreneur, I built and launched three SaaS platforms from scratch: Adviara, an AI-powered invoicing platform for the Andorran accounting market that was sold in March 2026; TukiDocs, an intelligent document-processing platform; and NoulA, Andorra's first AI platform with dedicated, privacy-focused infrastructure.

My expertise spans React, React Native, Node.js, TypeScript, database and microservices architecture, DevOps, and AWS. I combine hands-on engineering with product strategy and technical leadership, taking products from initial concept through development, deployment, market validation, and growth.

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## 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 — Agentic AI

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## Languages

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

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## Experience

### Senior Software Engineer / YLD Agency

2025 - 2026

- Contributed to the open-source ASAP Hub (<https://github.com/yldio/asap-hub>) and related projects supporting research into Parkinson's disease and autism.
- Led the migration of a large codebase to React 18 and automated updates to more than 10,000 test files.
- Developed an OpenSearch integration for data discovery and established system logging and monitoring practices.

## Founder & CTO / *Personal Ventures*

2024 - 2026

[Adviara.com](#) - Invoicing software focused on the Andorran accounting market, with AI-powered workflow automation using open-source models for recognizing and tracking invoices, purchase receipts, reports, and other documents. Sold in March 2026

[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.

[NoulA.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 three 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 agentic AI-driven workflows across multiple systems (CRM, Slack, Notion, Drive) to allow the team efficient communication and decision-making.
- 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

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## 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.

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## Software Developer / Enterprise Companies

2007 - 2012

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

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## References

**Sean Patterson** CEO at Zaang & former CTO at Digbee

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**Mary de Grey** Projects Director at Zaang

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## Education

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