

Maren Castrillo

Full-Stack Developer · Technical Lead · Solution Architect

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PROFESSIONAL SUMMARY

I am a Full-Stack Developer with a strong engineering background, analytical capability, and real-world experience in technical leadership. Over the years, I have worked on developing, maintaining, and evolving web applications using PHP, Angular, MySQL, React, and Azure DevOps, taking on responsibilities in architecture, team coordination, performance optimization, and direct interaction with clients, Product Owners, and IT teams. Currently, I serve as Technical Lead and Solution Architect in a SaaS environment aimed at end users, performing a hybrid role involving coding, technical decision-making, and people coordination.

- Multidisciplinary team of up to 40 people.
- Responsible for technical decisions from initial design to the evolution of technologies and architecture.
- Experience in code review, mentoring, estimations, client and Product Owner interactions, and coordination with IT for deployments and continuous improvement.
- Performance optimization with improvements of up to 90% on specific screens.
- Migration from PHP 7 to PHP 8 and switch from Apache to Nginx.
- Leadership in evolving a monolith into a modular monolith.

CORE SKILLS & STACK

Core: Full-Stack Development, Technical Leadership, Solution Architecture, Problem Solving, Analytical Thinking, Code Review, Mentoring, Project Estimation, Stakeholder Communication, Process Improvement

Frontend: Angular, React, TypeScript, JavaScript, HTML, CSS, Ionic, Reactive Forms, Routing

Backend: PHP, C#, .NET Core, NestJS, Node.js, REST APIs, Object-Oriented Programming, Design Patterns, Exception Handling, Refactoring

Databases: MySQL, SQL Server, PostgreSQL, Database Design, Query Optimization, Indexes, Triggers, Stored Functions, Data Migration, Backup and Restore

Devops: Azure DevOps, Azure App Service, CI/CD, Pipelines, Releases, Deployment, Azure Portal, Apache, Nginx, Grafana

Ai tools: GitHub Copilot, Copilot Studio, AI-assisted development, Documentation automation, Testing automation, Process automation

Architecture: Software Architecture, Modular Monolith, Migration Strategy, Scalability, Maintainability, Performance Optimization, Root Cause Analysis

PROFESSIONAL EXPERIENCE

HodeiaDigital

Technical Lead

2024 — Present

Full-Stack Developer

2022 — 2024

SaaS Product / end-user oriented with proprietary code hosted on client servers.

- Technical definition of new projects from scratch, from requirements analysis to implementation in the application.
- Decision making on architecture, implementation, version migration, and evolution of the tech stack.
- Participation in hiring processes by conducting technical tests.
- Code review through pull requests, mentoring, and continuous support to the team.
- Functional and technical analysis, project estimations, and scope definition together with the Product Owner and client.
- Coordination with the client's IT department to ensure correct deployments and continuous application improvement.
- Hands-on participation in coding for migrations, improvements, and refactors when the project requires it.

Key Achievements:

- Developed complete modules from start to finish: analysis, functional definition, database design, backend, frontend, unit testing, and integration.
- Led a high-impact architectural task: migration of PHP session management to the database.
- Improved the performance of specific screens by up to 90% through MySQL query optimization, index creation, and PHP code changes.
- Automated and improved processes for analysis, technical documentation, functional documentation, and development, testing, and deployment workflows.
- Optimized pipelines for uploading to QA and production environments.
- Led the migration from PHP 7 to PHP 8 and the switch from Apache to Nginx.
- Drove the restructuring of teams and processes for better issue and project management.
- Currently leading the transition from the monolith to a modular monolith.

Communications Agent - Congrebas

2016 — 2019

- Customer service and communication with different stakeholders.
- Information management and operational support.

EDUCATION

Bachelor's Degree in Industrial Technology Engineering

2016 - 2022

School of Engineering of Bilbao (ETSIB), University of the Basque Country (UPV/EHU) (Completed up to third year)

The engineering training provided a solid foundation in problem analysis, structured thinking, technical resolution, and systems vision. During the degree, I took courses such as algebra, calculus, mechanics, fluids, machines, and programming, which reinforced my ability to tackle complex problems with method and technical criteria.

Full-Stack Developer .NET

2022

Code4Jobs BBK Bootcamp .NET

Intensive bootcamp focused on full-stack web development based on .NET.

LANGUAGES

English (C1) | German (A2) | Basque (Intermediate)

ADDITIONAL INFORMATION

Category B Driving License | Availability to travel