

Markel Cuesta

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Summary

Passionate backend engineer with 5 years of experience, specialized in REST APIs, event-driven architectures, and AI engineering.

I've built complex optimization algorithms for a booking allocation engine, large-scale serverless data pipelines, an enterprise-grade AI-powered automation platform, and scalable REST APIs with a strong focus on modularity and testability.

Skills

PHP, Typescript, Python, Symfony, Unit Testing, Hexagonal Architecture, Domain-Driven Design, n8n, MCP (Model Context Protocol), RAG (Retrieval-Augmented Generation), Event-Driven Architecture, Serverless, AWS (Lambda, DynamoDB, SQS, S3).

Experience

Software Engineer, Roadsurfer – Remote (Spain) Jan 2025 – present

- Developed and optimized complex algorithms in a Symfony-based booking allocation engine to improve fleet availability, increasing revenue and eliminating thousands of hours of manual optimization work.
- Currently building an AI-powered automation platform that orchestrates complex workflows and enables self-serve automation for teams across the company. Setting up n8n with enterprise-ready conventions and tooling, and leveraging MCP and RAG to build AI agents that reduce manual work.
- Drove the adoption of Prometheus to improve observability across our monolith and adjacent services, monitoring both system and business metrics through comprehensive Grafana dashboards.
- Advocated for and participated in initiatives to reduce technical debt, collaborating with other teams to meet our technical quality OKRs.

Backend Developer, Smowltech – San Sebastián, Spain (Hybrid) July 2022 – Jan 2025

- Designed an event-driven microservices architecture in Python for large-scale data processing using serverless technologies.
- Implemented a Symfony-based REST API to support critical business logic.
- Developed a cross-platform Electron application to monitor computer activity.

Backend Developer, Bikuma – Leioa, Spain Mar 2021 – June 2022

Web development focused on Drupal and WordPress, including custom plugin development and content migrations.

Education

CIFP Elorrieta Erreka Mari LHII, Higher National Diploma (CFGS) in Cross-platform Application Development – Bilbao, Spain Sept 2021 – Feb 2022
Key topics: Java, Spring Boot, Hibernate, multithreading, .NET, Android Studio

CIFP Elorrieta Erreka Mari LHII, Higher National Diploma (CFGS) in Web Application Development – Bilbao, Spain Sept 2019 – Feb 2021
Key topics: Java, PHP, Javascript, MySQL, HTML, CSS