

# Marc Serrano

Software Engineer | AI & Fullstack

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## ABOUT ME

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Fullstack Engineer with 3+ years of experience building scalable backend services and user-facing applications in production environments. Strong foundation in Java and modern JavaScript/TypeScript ecosystems, currently designing event-driven microservices in Python and Go on AWS.

Experienced in designing and exposing robust REST APIs, integrating frontend and backend systems, and delivering end-to-end features used by real clients. Passionate about clean architecture, system design, and building reliable cloud-based services that scale.

## PROFESSIONAL EXPERIENCE

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### Backend Software Engineer | Python, Go & AWS

March 2025 – present

Imbee - Barcelona, Spain

- Design and implement scalable backend services in Python and Go, exposing REST APIs consumed by frontend applications and third-party integrations.
- Build event-driven architectures using RabbitMQ and Redis to coordinate asynchronous workflows across multiple services.
- Deliver end-to-end features, collaborating on both backend services and React/TypeScript interfaces to ensure seamless integration.
- Deploy and operate containerized services using Docker and AWS (ECS, Lambda, S3), ensuring reliability and low-latency performance in production environments.
- Contribute to API design decisions, data modeling, and service-to-service communication patterns.

### FullStack Software Engineer

July 2024 – December 2024

Indra - Barcelona, Spain

- Developed backend features using Java and Spring MVC for transportation control systems, exposing APIs to support real-time operational workflows.
- Built Angular-based interfaces to visualize operational data and enable configuration management.
- Contributed to system integrations involving legacy .NET and Oracle components, ensuring stability while delivering new functionality.

### Intern Software Engineer

December 2023 – May 2024

Dynatrace - Barcelona, Spain

- Developing an application (Product Analytics) based on analyzing in more detail the performance of your websites and applications.
- Maintenance of the platform including new features and testing with the latest technology.
- Learning best practices and principles such as Clean Code, Object Calisthenics, etc.
- Work in an agile environment with knowledge on Jira.

### Junior Software Developer

August 2022 – September 2023

Applus+ - Barcelona, Spain

- Improved the performance of core vehicle inspection (ITV) programs by optimizing internal processes.
- Developed small applications and features using Java and C# on the .NET Framework, and performed maintenance tasks with SQL Server databases.
- Also contributed to web interfaces using Angular and JavaScript, enhancing user experience and operational efficiency.

## EDUCATION

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### Bachelor's Degree in Computer Engineering for Management and Information Systems

September 2019 – June 2024

Tecnocampus (ESUPT) Universitat Pompeu Fabra

## SKILLS

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- Java
- Go & Python
- Javascript/TypeScript expertise
- Spring
- REST APIs · MVC · Clean Code
- Event-Driven Architecture
- Chatbots with IA
- Docker & Docker Compose
- AWS (ECS, Lambda, S3)
- React
- Front-end Architecture & Design
- Next.js

## NOTABLE PROJECTS

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### Hairboard

A platform for managing aesthetic services, including client management, reservations, and invoicing. Built with Java, Spring Framework, MySQL, and a front-end using Angular and TypeScript.

### Fakeflix

A movie browsing web with React, Tailwind CSS, Webpack, and Jest. Users can browse movies, view details, and add them to a wishlist. Data is fetched from an API, with dynamic carousels and a responsive UI.

### Transports TCM

Company of transport of frozen food, it has to develop the calculations that makes the trucks depending on the price, the distance that it travels looking for the most optimal solution. Developed with Java, Spring Framework and MySQL

## LANGUAGES

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**Spanish:** Native

**English:** B2

**Catalan:** Native