

## CONTACT



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## EDUCATION

**Web Application Development student** UOC 2024 - 2026

### UDEMY TRAINING

NodeJS (REST APIs, GraphQL)

Java (Spring Boot, Hibernate)

React (Hooks, Router, Next.js)

## TECHNICAL SKILLS

### BACKEND

Java, Spring Boot, NodeJS, Express, Laravel, API Rest, GraphQL

### FRONTEND

React, JavaScript, HTML5, CSS3, Tailwind, Bootstrap

### DATABASES

MySQL, Hibernate (JPA), MongoDB, mongoose

### TOOLS

Git, Github, Docker, Github Actions (CI/CD)

## LANGUAGES

**English** B2 (First Certificate)

**Spanish** native

**Catalan** native

**Japanese** N5

# MAR BOU BERNAD

## WEB APP DEVELOPER STUDENT

## ABOUT ME

I am a web developer with a strong passion for technology. I am currently studying Web Application Development at UOC. In addition to learning and improving as a developer, I have enhanced my communication, project management, organization, and teamwork skills.

## PROJECTS

### Backend API with GraphQL & Docker

GitHub: <https://github.com/marbobe/Gestion-productos-GraphQL>

Node.js, GraphQL (Apollo), MongoDB, Docker, CI/CD, Mocha/Chai.

- Designed a scalable layered backend architecture (Service Layer) in Node.js, decoupling business logic from the GraphQL interface.
- Containerization with Docker, CI/CD pipeline, and unit testing (TDD) with Mocking, ensuring clean code and automated deployment.

### Book Tracker - Full Stack Java Application

GitHub: <https://github.com/marbobe/BookTracker>

Demo: <https://booktracker-rtgy.onrender.com/>

Java, Spring Boot, Thymeleaf, PostgreSQL, Docker

- Cloud-deployed book tracking system. Includes a 'Demo' mode for visitors and persistence with PostgreSQL.
- Robust security implementation using Spring Security, including an Access Control system for user roles and a "Guest" mode.
- Dynamic pagination, multivariable filtering with Query Casts, and responsive design using Bootstrap.

### Personal Portfolio (Web)

GitHub: <https://github.com/marbobe/mi-portfolio>

Demo: <https://marbou.vercel.app/>

React, Tailwind CSS, i18next, EmailJS, Google reCAPTCHA

- Development of a responsive and bilingual SPA (Single Page Application) implementing i18n for dynamic translation management (Spanish/English).
- Secure integration of EmailJS and Google reCAPTCHA v2 for form management and spam protection.

## WORK EXPERIENCE

### Ortopedics 2018-2024

Specialist in MI, MS, and myoelectric prosthetics

Programming and calibrating prosthetics sparked a deep passion for technology and programming, leading me to transition into web development.