

Martin Pedraza

Full-Stack Web Developer

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Summary

Full-Stack Web Developer with **10+ years of experience** delivering end-to-end solutions in **JavaScript (React, Node.js, Angular, Vue)** and **Java (Spring Boot)**. Successfully built and deployed **15+ client applications** as a freelancer, improving website performance and user engagement by up to **30% through optimized APIs and queries**. Experienced mentor and instructor, having trained **hundreds of students** in modern web technologies at top French engineering schools and OpenClassrooms. Skilled in designing RESTful APIs, integrating third-party services, and applying CI/CD and automated testing to ensure reliable, scalable applications. Fluent in **English, Spanish, and French**, with proven ability to adapt quickly to diverse teams and environments.

Skills

TypeScript • RESTful API • Angular • Java • React • Vue.js • Database • Test Documentation Generation

Work Experience

Full-Stack Web Developer May 2016 – present Freelance — (2016 – Present) • Self-employed

Remote

Technologies: TypeScript • Python • Java • PHP • Node.js

- Designed and deployed **10+ client websites and web apps** using MERN & LAMP stacks.
- Built custom **RESTful APIs** for e-commerce, booking, and content platforms.
- Integrated **third-party APIs** (payments, social media, analytics).
- Delivered optimized and responsive UIs with **React** and **Vue.js**.

Mentor / Evaluator / Content Creator Mar 2021 – present [OpenClassrooms](#) • Freelance

Remote

Technologies: JavaScript • WordPress • PHP • MongoDB • Express.js

- Guided 100+ junior developers in **JavaScript/React, MERN, WordPress** projects.
- Evaluated technical deliverables, ensuring best practices in **clean code, testing, and API design**.

Academic Instructor Sep 2023 – Mar 2024 • 6 mos [EFREL](#) • Freelance

Villejuif, France

Technologies: Python • JavaScript • HTML/CSS • Node.js

- Create projects that show the advantages of working with rest API
- Promote self learning techniques and best practices
- Front-end libraries: react
- Develop API using

Academic Instructor Sep 2023 – present [EPITA](#) • Freelance

Villejuif, France

Technologies: TypeScript • Angular • React • Node.js • React Native

- Create projects that show the advantages of working with rest API
- Promote self learning techniques and best practices
- Front-end libraries: React, React Native
- Develop API using Node.js

Tech Instructor Mar 2021 – Oct 2023 • 2 yrs 7 mos [MagicMakers](#) • Part-time

Remote

Technologies: Python • AI • Unity Engine • Scratch • C# unity

- Teach children and teenagers web technologies, robotics, the basis of web development and game development
- We work with tools such as: Scratch, Construct, Unity, Python Django, among others

Projects

MDD (Monde de Dév) Feb 2024 – Nov 2024 • 9 mos **Technologies: Java • Angular • TypeScript • SQL**

Full-Stack Social Network ("MDD") — Angular & Spring Boot

- Developed a two-part application combining a **SpringBoot** (Java) back-end and an **Angular** front-end, forming a full-stack social networking platform GitHub+11GitHub+11GitHub+11.
- Implemented core features: **user authentication, account creation, post publishing, and commenting** functionality GitHub.
- Organized project structure into distinct back/ and front/ directories, with clear deployment workflows for each +11GitHub+11GitHub+11.
- Used **MySQL** with a provided SQL dump for schema and initial data setup; configured environment variables for database connection GitHub.
- Enabled local development with standard CLI tools: Back-end: mvn spring-boot:run on port **3001**- Front-end: ng serve on port **4200** GitHub+1GitHub+8GitHub+8GitHub+8.

ChâTop – Spring Boot REST API Apr 2024 – Sep 2024 • 5 mos **Technologies: Java • Spring Boot • Spring Security • Swagger • Postman**

This is the **backend API** for the ChâTop platform – a seasonal rental listing service. It handles user authentication with JWT, rental management, and messaging features. Built with **Spring Boot** and connected to a **MySQL database**.

- **Java 17** (also compatible with Java 11)
- **Spring Boot 3.5.x MySQL 8+**
- **JWT** (for user authentication)
- **Swagger (OpenAPI)** for live API documentation
- **Postman / Mockoon** for API testing

restfulAPI-python Sep 2022 – Nov 2022 • 2 mos **Technologies: Python • Flask-RESTful • Swagger • SQLite**

This project contains a Python application that implements a REST API using Flask and Flask-RESTful. It allows you to perform various CRUD (Create, Read, Update, Delete) operations on resources using HTTP requests. The application also uses the requests library to interact with external APIs.

myeShop Feb 2023 – Apr 2024 • 1 yr 2 mos **Technologies: TypeScript • Node.js • Express.js**

The MyShop backend is a robust and scalable server application built with Node.js, Express, and TypeScript. It serves as the backbone for the MyShop eCommerce platform, handling user authentication, product management, orders, and payments.

commerce-full Nov 2023 – Apr 2024 • 5 mos **Technologies: Node.js • Jwt • Express.js • MongoDB**

Backend for commerce-full, an e-commerce platform built with Node.js and Express. This backend is designed to handle all the server-side logic for a seamless e-commerce experience, leveraging JWT for secure authentication, Multer for file handling, and MongoDB as the database solution.

reflektMe Jul 2022 – Jan 2023 • 6 mos 2 coworkers

Technologies: Tailwind css • Vue.js

Reflekt Me is a SaaS platform that enables retailers to reach 100% of their online shoppers by personalizing product images with REAL PEOPLE wearing every size and using every product variation directly on your

House rental Apr 2021 – Oct 2021 • 6 mos **Technologies:** React • JavaScript

React Front-End Application – Real Estate Rental Platform

- Developed a **responsive, single-page application** in **React** using **React Router** to enable seamless navigation between pages such as home, property details, about, and a custom 404 error page.
- Translated **Figma mockups** into a structured UI with **modular, reusable components** (cards, banners, galleries, accordions) and styled with **SCSS/SASS**, including smooth **CSS animations**.
github.com+4jeremydarbellay.github.io+4github.com+4github.com
- Utilized **simulated JSON data** for dynamic content rendering (property listings, images, details), offering a near-production experience while using mocked back-end sources. github.com

sportSee-fullApp Apr 2020 – May 2021 • 1 yr 1 mo 3 coworkers

Technologies: React • Node.js • Jest • JavaScript

Full application code for SportSee, a comprehensive fitness tracking and analysis platform that uses Recharts to visually display the user's data regarding their fitness condition. SportSee allows users to track their physical activities, monitor their fitness progress, and gain valuable insights into their health and performance.

Education

Master's degree: Software Development Feb 2024 – Feb 2025 • 1 yr Openclassrooms

Bouafle, France

Grade/GPA: Bac+5, Level 7

- Design and implement **RESTful APIs** using **JAVA** and integrate front-end with back-end.
- Develop and deploy **single-page applications** with Angular.
- Build robust, modular, and secure back-end applications in Java with Spring.
- Design application **architecture and databases** (SQL & NoSQL).
- Apply **CI/CD, automated testing, and project management** practices.
- Lead and mentor technical teams, ensuring code quality and best practices.

Master's degree: Web Development Oct 2022 – Aug 2023 • 10 mos Openclassrooms

Bouafle, France

Grade/GPA: React Application Developer (Bac+3/4, Level 6 Certification)

- Built modern **front-end applications** with **React, Next.js & TypeScript**
- Designed **responsive, accessible UIs** aligned with best practices
- Integrated **generative AI features** using LLM APIs
- Applied **Cypress testing** for quality assurance
- Deployed applications with **Vercel** and set up **CI/CD pipelines**
- Worked in **Agile teams**: user stories, sprints, planning, reviews
- Completed **12 real-world projects** under professional mentorship

Bachelor's degree: Web Development Mar 2016 – Feb 2017 • 11 mos University of Michigan Online

Michigan, United States

The capstone will develop a professional-quality web portfolio. Students will demonstrate the ability to design and implement a responsive site for a minimum of three platforms. Adherence to validation and accessibility standards will be required

Master's degree: Linguistics Mar 1999 – Dec 2003 • 4 yrs 9 mos CeRP

Atlantida, Uruguay

Teacher of English as a Second Language

Languages

English (Native or bilingual proficiency)

Spanish (Native or bilingual proficiency)

French (Professional working proficiency)

Portuguese (Limited working proficiency)