

Patrick Joel Sarmiento

Full Stack Developer (PHP · WordPress · Laravel) | Industrial Engineer

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PROFILE

Full Stack developer with more than 7 years of experience in PHP, WordPress and JavaScript, and an industrial engineer. I specialise in taking web products from idea to production. At Vanrays I was the only technical lead of an online booking and payment platform with Redsys, integrated with WordPress and Google Workspace, and I trained 4 intern developers. I have worked for public healthcare (HL7/Mirth), banking, multinational consulting and engineering, and I deploy and run my own projects on a Linux server.

TECHNICAL SKILLS

- **Backend:** PHP, Laravel, REST APIs, AJAX, PHPUnit, MySQL, SQL
- **WordPress:** custom plugins and child themes, hooks and filters, Crocoblock (JetEngine, JetBooking, JetFormBuilder, JetSmartFilters), WP Travel Engine, Bedrock
- **Frontend:** JavaScript, jQuery, HTML5, CSS3, Bootstrap, React
- **Integrations:** Redsys, Google APIs (Sheets, Calendar), webhooks, HL7, Mirth, SOAP/XML
- **Infrastructure:** Linux (Ubuntu), Apache, SSH, Git, GitHub, GitHub Actions, Docker, AWS
- **Management:** PMI, Scrum, Jira, Confluence, Asana, Figma
- **Applied AI:** development with Claude Code; assistant built on models via OpenRouter

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer — Vanrays

Real estate company (about 25 people) · 06/2025 – 06/2026

- Sole technical lead: I designed, built and ran the online booking and payment platform for about 100 properties, which replaced a spreadsheet-based process.
- I integrated a custom Redsys payment gateway into WordPress, live with real customers since 01/2026; the platform automated 3 to 6 bookings a day.
- I built the price-calculation engine (seasons, monthly rates and discounts) as a custom PHP plugin that works with JetEngine, JetBooking and JetFormBuilder.
- I built an intranet in PHP and JavaScript that synchronises prices, seasons and blocked dates between WordPress, Google Sheets and Google Calendar through APIs and webhooks.
- I trained and coordinated 4 intern developers: task allocation, code review and training sessions.

PHP Developer — Kyndryl

01/2025 – 05/2025

- PHP development with unit tests in PHPUnit on Linux servers.
- Migration of data from a banking database through JSON-to-SQL transformations.
- Interface development with React.

WordPress / PHP Developer — BTS

Multinational consultancy · Madrid · 02/2024 – 10/2024

- I took part in bringing the corporate website, previously run by an external consultancy, in-house onto the company's own servers on AWS; the team completed it in about 4 months.
- I migrated the website from Bedrock to standard WordPress: child themes, custom pages designed in Figma, SEO improvements and database clean-up.
- I set up our own servers and deployment mechanisms so as not to hold the project up while the official resources were on their way.
- Team spread across Spain, Belarus, the US and India; working daily in English.

HL7 Analyst — AYESA

02/2024 – 05/2024

- Requirements analysis for deploying healthcare integrations on servers.
- Integrations with the InterSystems engine; tracking in Jira and Confluence.

Web and mobile developer (freelance)

07/2023 – 02/2024

- I developed and published on Google Play the informational Android app of Madrid Enoturismo (Kotlin).
- Frontend and backend development (PHP, Laravel) for direct clients; project management with Jira for companies in Colombia.

Software Developer — Grupo Oesía

Cantabrian Health Service (*Servicio Cántabro de Salud*) and 4 public hospitals · 07/2021 – 09/2022

- Maintenance and evolution of the web portals and intranets of 4 public hospitals (PHP, JavaScript, Joomla).
- I was part of the team that built a real-time dashboard for the COVID-19 vaccination campaign (Bootstrap, JavaScript, SQL).
- HL7 integration with Mirth for the automatic radiation-dose report in radiology (SOAP/XML → PDF → clinical-record viewer).
- Support for undocumented legacy Java CAPS servers.

Programmer — TECADE

Steel structures · Seville · 08/2019 – 02/2020

- Single-handedly built a C# tool on the Tekla Structures API that automated loading data from AutoCAD, a task 3 people did every day. It was used on the real model of the Hisingsbron bridge (Gothenburg).

Developer → Project Coordinator — Synaptek (DentOS software)

Management software for dental clinics · 05/2016 – 03/2019

- I developed ERP-type management modules in PHP, MySQL and JavaScript.
- I coordinated the development team (5–10 people) and the support team using PMI and Scrum: I received the clinics' requirements and distributed them between both teams.
- I helped train and build up the support team, which grew from 1 to 5 people, to serve the clinics, whose real users were assistants, reception staff and auxiliaries, not the dentists.
- I took part in the start of the migration to version 2 in Laravel.

Project Coordinator — Mega Music

Event production · 01/2013 – 12/2016

- Coordination of production teams; I built a WordPress system to manage the equipment warehouse and prevent double allocation between events.

PROJECTS

- **Mersan Tours (freelance project, 2026):** website for a travel agency. First, a static website in HTML, CSS and JavaScript, built in one week and deployed on AWS (S3, Route 53 and CloudFront). Then, when the client needed a backend, I migrated it to WordPress with PHP on Hostinger: trip catalogue in cards with WP Travel Engine, own child theme, role-based colour system and WhatsApp contact. mersantours.com
- **patrickjoel.com + Melissa:** PHP portfolio deployed on my own Linux server (Apache), with an AI assistant for recruiters: deterministic FAQ, models via OpenRouter with a time budget and fallback, and Telegram alerts.
- **Convivia:** multi-tenant SaaS for residential property management (TypeScript, Fastify, React, PostgreSQL, Docker), deployed at patrickjoel.com/convivia. Technical product owner, directing development with AI agents.
- **Todo App:** framework-free PHP with a REST API, jQuery, CSRF/XSS protection, 39 HTTP tests and continuous integration on GitHub Actions (PHP 8.0 and 8.3). patrickjoel.com/todo-app

EDUCATION

- **Industrial Engineering** — Universidad Industrial de Santander (Colombia), 2017. Equivalent to the Spanish Grado (Bachelor's) level (2024).
- **Spanish Professional Certificate (level 3) IFCD0210** · Web Application Development (510 h) — Community of Madrid, 2023.
- **Spanish Professional Certificate (level 3) IFCD0211** · Information Management Systems — issued in 2023.
- **SSCE0110** · Teaching Vocational Training for Employment (Spanish Professional Certificate, level 3, 380 h) — 2025. Certificate applied for.
- **Specialisation in Project Management** — SENA (Colombia), 880 h.
- **Web Programming Technician (técnico laboral)** — UNAB / Misión TIC (Colombian Ministry of ICT programme), 2021.
- **Courses:** Symfony framework (CFTIC, 2021) · Software design patterns · PMI project management (UIS) · 42 Madrid Piscine (selection bootcamp, 2023, passed).

LANGUAGES

Spanish (native) · English B2–C1 (no official certificate) · German A1