Pedro Daniel de Melo Parente

Software Engineer | Full-Stack Developer

Coimbra, Portugal · hi@pedroparente.com
linkedin.com/in/pedro-prnt · pedroparente.com

SUMMARY

Full-Stack Developer with over 7 years of experience as the sole developer at Fundação FEFAL, owning the full application lifecycle end to end with Laravel, NestJS, React, Next.js and SvelteKit. Experienced in modernising legacy systems, building cybersecurity platforms for the public sector and integrating AI into web applications. Looking for a Software Engineer role where I can contribute to impactful products and keep growing technically.

EXPERIENCE

Full-Stack Developer — Fundação FEFAL, Coimbra, Portugal
March 2019 – Present

- Sole developer at the foundation, owning the full development lifecycle: requirements gathering, architecture, development, deployment and maintenance.
- Built the foundation's training management system, which has handled over 20,000 enrolments since 2019, and recently modernised it by migrating from CodeIgniter 3 to Laravel 13.
- Integrated Zoom into the training platform during the COVID-19 pandemic; online sessions now serve over 300 trainees daily.
- Created Atlas (atlas.fefal.pt), a platform that lets Portuguese municipalities identify the vulnerabilities affecting their IT assets.
- Engineered the web application for the foundation's internal AI system.
- Took part in cybersecurity audits as part of CyberHeki (cyberheki.fefal.pt), creating the phishing templates used in simulations.
- Developed the current FEFAL website (fefal.pt).
- Delivered the internal document management system.
- Prototyped an interactive virtual reality (VR) training proof of concept in Unity (C#) covering multiple topics.

TECHNICAL SKILLS

- **Languages:** PHP, JavaScript, TypeScript, C#
- **Front-end:** React, Next.js, SvelteKit, Tailwind CSS
- **Back-end:** Laravel, NestJS, CodeIgniter, REST APIs
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Authentication:** Better Auth, Microsoft Entra ID (SSO)
- **DevOps & Tools:** Git, Docker, CI/CD, automated testing
- **Other:** AI integration in web applications, Zoom API, Unity, virtual reality (VR)

EDUCATION

Vocational Course in Information Systems Programming
Escola Secundária Avelar Brotero, Coimbra, Portugal, 2019

LANGUAGES

- Portuguese: Native
- English: Advanced