

LUCIANO FEDERICO PEREIRA

Full-Stack Developer | Software Architect | Remote, Italy | EN (C2) · ES (Native) · IT (B2)
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PROFESSIONAL SUMMARY

I architect complete digital and operational transformations. I replaced a fragmented CMS for a retailer worth \$4M with a new Laravel/Vue platform that serves as its bespoke ERP and CRM, cutting database queries 93% per page. I also build the AI-engineering infrastructure behind my published LLM-agent research.

SKILLS

Architecture:	System Design, Software Architecture, Domain-Driven Design, Event-Driven Architecture, Scalability
Frontend:	HTML5, CSS3, Tailwind 4, JavaScript ES6+, TypeScript, React.js, Vue.js 3, Vite 8, Inertia.js, Web Components
Backend:	PHP 8.5, Laravel 13, Node.js, Composer, Blade, RESTful API, WebSocket / Reverb, Microservices
Data:	MySQL, PostgreSQL, MongoDB, Redis, Eloquent ORM, Python, Pandas
DevOps:	Docker, AWS, CI/CD, GitHub Actions, Git, PHPStan, PestPHP, Playwright, Unit & Integration Testing
E-commerce:	E-commerce, WooCommerce, Stripe, PayPal, GDPR, ISO 27001, Performance & Caching
Workflows:	Agile, Scrum, Kanban, CLI & Scripting, Remote Work

WORK EXPERIENCE

Senior Full-Stack Developer & Architect Beauty Luxury Rimini, Italy	March 2024	– Present
- Architected full-stack \$4M e-commerce platform: built 6-layer event-driven cache (93% fewer queries per page, 112 to 7), maintained PHPStan Level 8, and replaced the third-party module system with an in-house loader whose per-package manifests give AI agents task context without scanning the codebase. - Engineered complete e-commerce ecosystem: delivered comprehensive conversion funnel and tracking analytics, GA4/FB CAPI, SEO, and Reverb live chat integration. - Built production AI infrastructure: developed code-introspection API and provenance-typed agent handoff contracts, published as 2026 LLM-agent reliability preprints.		
Lead Web Development Instructor Rolling Code Argentina	November 2022	– January 2024
- Taught full-stack JS (ES6+, algorithms) to 80+ career-changers across 4 cohorts, achieving strong 12-month employment placement rates. - Mentored junior developers as technical lead, driving code reviews and designing bilingual (ES/EN) competency curricula.		
Senior Software Engineer Mobillers Argentina	January 2018	– October 2022
- Engineered and scaled international B2B/B2C SaaS platforms (React, Node, Python, PHP) within cross-functional teams of 8+. - Optimized system scalability via AWS auto-scaling, Redis caching, and CloudFormation IaC, cutting origin traffic 70% while maintaining high availability.		
Legal Tech Developer & Mediator Mediaciones.ar Argentina	March 2016	– December 2017
- Architected fully automated mediation platform for early-stage startup, processing over 10,000 cases with no prior market equivalent in Argentina. - Leveraged professional mediation expertise to establish cross-functional conflict-resolution protocols and codebase walkthroughs, enhancing team collaboration.		
Co-Founder & CTO 365 Carilo Argentina	January 2009	– December 2015
Architected a proprietary publishing platform for a luxury media company covering polo, luxury automobiles, fine jewelry, and upscale real estate in Cariló (Argentina's Hamptons), reaching 100% of the destination's 7,000 estate residences and 20,000 affluent subscribers.		
Product Owner Consejo de la Magistratura C.A.B.A. Argentina	September 2005	– December 2008
Spearheaded an integrated paperless case-management platform for the Buenos Aires judiciary (~400,000 cases), leading cross-functional teams on a mission-critical system serving 10,000+ concurrent users.		

CREDENTIALS & RECOGNITION

- Adjunct Professor – Legal Interpretation, and Law & Economics, UBA (2006 – 2016)
- 11 preprints on LLM agent reliability and AI-engineering tooling, with reproducible implementations. ORCID 0009-0002-4591-6568
- Lawyer & Public Mediator (Federal & Buenos Aires Province)
- One Page Love Showcase (2026), curated gallery of the world's best single-page websites
- phpcpd-next, maintainer: PHP 8.5+ clone detector (35 stars) with a native C engine ~100x faster; cover story, Laravel News
- mysqlite: MySQL wire-protocol server backed by SQLite, written in Nim
- EF SET C2 (2023) · Cambridge FCE · Italian CPIA B1 (2025)

EDUCATION

Master - Data Science	Universidad de Buenos Aires	2021 – 2022
Master - Law & Economics	Universidad de Buenos Aires	2012 – 2014
Mediator	Colegio Público de Abogados	2009
Diploma in Education	Universidad de Buenos Aires	2005 – 2009
Attorney-at-Law · Bar Admitted · 6-yr Degree	Universidad de Buenos Aires	1999 – 2004
Higher Technician in Systems Analysis	Instituto San Roque	1998 – 1999
Technical Diploma – Computing & Bookkeeping	Instituto San Roque	1993 – 1997