

Jean Paul Castañeda Huerta

Full Stack Developer | React · Next.js · TypeScript · PHP · Node.js · SQL

Madrid, Spain | +34 620127017 | jean.castanedah@gmail.com |
linkedin.com/in/jeancastanedah | github.com/ArrobajeJean

Professional Summary

Full Stack Developer with 4+ years of professional experience building and shipping production-grade web applications for international clients. Founder & technical lead of 404studios since 2024, managing end-to-end product development from architecture through deployment. Strong background delivering custom solutions at Fénix Byte with expertise in modern frontend architecture (React 18, Next.js, TypeScript) and robust backend systems (PHP, Node.js, SQL). Proven track record shipping 5+ complex applications with 90+ Lighthouse scores. QA automation specialist with strong testing expertise (Cypress, Page Object Model). Bilingual developer experienced collaborating with distributed U.S. engineering teams.

Technical Expertise

Frontend Architecture:

React 18, Next.js 14+, TypeScript, advanced JavaScript (ES6+), HTML5, CSS3/SCSS, Tailwind CSS, responsive design systems, mobile-first architecture, Framer Motion, GSAP, animations, Figma

Backend & Databases:

PHP (OOP, design patterns, MVC architecture), Node.js, SQL (MySQL 8+, PostgreSQL), database schema design, query optimization, CRUD operations, backend optimization, REST API development

APIs & Integrations:

REST API architecture, Firebase (Firestore, Authentication, Hosting), TanStack Query, payment gateways, CRM integration, SendGrid, Shopify Storefront API, OAuth, third-party API integration, webhook management

Testing & Quality Assurance:

Cypress (E2E testing, component testing), Jest, React Testing Library, Page Object Model (POM) framework, manual QA, cross-browser testing, WCAG accessibility testing

Deployment & Version Control:

GitHub/GitLab workflows, Git-based collaboration, Vercel, Netlify, Firebase Hosting, automated deployments, staging/production environments

Performance & Web Standards:

Lighthouse optimization (90+), Core Web Vitals, WCAG 2.1 AA accessibility compliance, SEO optimization, cross-device

responsiveness, performance audits

Professional Experience

Founder & Full Stack Developer

404studios - Web Development Studio | January 2024 - Present

Founded and lead technical strategy for web development studio serving 5+ international production clients across e-commerce, SaaS, real estate, and professional services

- Architected and shipped 5+ full-stack web applications using React, TypeScript, Next.js, PHP, Node.js, and Firebase; consistently delivered 90+ Lighthouse performance scores
- Led complete development lifecycle: technical requirements, system architecture, database design, API development, frontend implementation, test automation, and deployment
- Engineered complex features: multi-tenant quote-to-cart systems, e-commerce platforms with payment integration, role-based access control, real-time data synchronization
- Established technical standards: implemented Cypress E2E test suites, set up deployment pipelines, enforced code quality with linting, documented architecture decisions
- Optimized user experience: achieved WCAG 2.1 AA accessibility compliance, implemented responsive design systems, delivered SEO-optimized pages, tuned performance metrics

Key Projects: - **Yimailife (yimailife.es)** - B2B e-commerce platform: React + TypeScript + Firebase, dynamic quote engine, admin panel, payment integration, Cypress tests, Lighthouse 92+ - **Ohanna USA (ohannausa.com)** - Headless Shopify e-commerce: Next.js, Shopify Storefront API, persistent cart, Framer Motion animations, Lighthouse 90+ - **HDSound & Donalexa** - B2B lead generation platforms: Next.js, optimized funnels, email automation, organic SEO, Lighthouse 95+

Full Stack Web Developer

Fénix Byte | January 2022 - December 2023 · Madrid, Spain

Developed and delivered custom web applications and client portals for SMBs using PHP (MVC), JavaScript (ES6+), and MySQL

- Designed relational database schemas, written optimized SQL queries, and implemented secure CRUD operations for transactional client platforms
 - Built and consumed RESTful APIs, integrating third-party services including payment gateways, CRM tools, and mailing systems
 - Modernized legacy client websites by integrating interactive React modules and responsive UI components with CSS3/SASS, improving mobile performance
 - Collaborated in Git-based workflows, performing cross-browser testing and manual QA to ensure WCAG accessibility and cross-device responsiveness
-

QA Automation Engineer

Softtek - Remote (U.S. Client) | February 2025 - Present

- Develop comprehensive E2E test automation using Cypress and TypeScript covering critical user workflows
 - Architect and maintain Page Object Model (POM) framework for scalable test automation across environments
 - Validate authentication, navigation, forms, data integrity; identify bugs; collaborate with dev teams on testing methodologies
-

Education & Certifications

Desarrollador de Aplicaciones Web - IFCD0210

Certificación Oficial Española | 2024

Programa acreditado de 590 horas de desarrollo web. Full stack development: PHP/MVC, JavaScript, MySQL, REST APIs, database design, responsive design, deployment fundamentals.

Google AI Professional Certificate

Google / Coursera | 2026

7-course specialization: prompt engineering, AI-assisted development, generative AI fundamentals, LLM applications, AI workflow optimization, practical AI implementation.

IBM SkillsBuild Cybersecurity Certificate

IBM SkillsBuild | 2026

Vulnerability assessment, network security fundamentals, cloud infrastructure security, incident response protocols, compliance frameworks.

Retrieval Augmented Generation (RAG) - Advanced Implementation

IBM SkillsBuild | 2026

Practical RAG systems architecture, vector databases, LLM integration, improving model accuracy with external knowledge sources, enterprise RAG patterns.

Desarrollo Web con Python

IBM SkillsBuild | 2026

Python for web development, backend frameworks, REST API development with Python, database integration, async programming.

Fundamentos de IA / Alfabetización en IA / Prompt Engineering

IBM SkillsBuild | 2025-2026

AI fundamentals, prompt engineering best practices, LLM capabilities and limitations, practical AI-assisted workflows, responsible AI.

Licenciatura en Derecho

Universidad Bicentennial de Aragua | Completed
Legal studies, constitutional law, contract law (Venezuela/Chile background).

Languages & Skills

Spanish - Native

English - Professional working proficiency - Technical documentation, client communication, distributed team collaboration

AI-Assisted Development: GitHub Copilot, Cursor, advanced prompt engineering, LLM-powered development workflows