

RODRIGO NICOLÁS VILLARREAL

Valencia, España | villarrealrodrigo.n@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL PROFILE

Full-Stack Software Developer with experience building B2B solutions and complete SaaS platforms. Specialized in the TypeScript ecosystem (Next.js, NestJS, Node.js) and in solving complex offline-first data synchronization, commercial, and financial challenges. Experienced across the full software development lifecycle, transforming business requirements into scalable, efficient, and maintainable architectures.

SKILLS

- Languages: TypeScript, JavaScript, HTML, CSS
- Frameworks: React, Next.js (15/16), NestJS
- Backend: Node.js, Express.js
- Databases: MongoDB, PostgreSQL, IndexedDB
- Tools: Redux Toolkit, RTK Query, Tailwind CSS, Cloudinary
- Infrastructure / DevOps: VPS (Linux), Nginx, DNS/Domains, SSL, Docker, PM2, Git, GitHub.
- Integrations: MercadoPago, Stripe, Google Maps API

EXPERIENCE

GOURMETIFY

Founder & Lead Engineer

B2B SaaS Point-of-Sale (POS) and management platform for the food service industry. 2025 – Present

- Built an offline-first POS system using IndexedDB for local data persistence and seamless background synchronization upon reconnection.
- Engineered a scalable full-stack architecture with Next.js 16, TypeScript, and PostgreSQL to handle complex business logic and ensure multi-tenant data isolation.
- Integrated dual payment gateways (MercadoPago and Stripe) to natively process B2B SaaS subscriptions and B2C restaurant transactions.
- Implemented a resilient webhook architecture to manage payment states, grace periods, and automated billing cycles with no manual intervention.
- Deployed the entire infrastructure on a VPS (Hostinger) from scratch: server provisioning, Nginx reverse proxy configuration, Docker containers, SSL certificates with Let's Encrypt, domain and DNS management, through to full-stack production release.
- Live in production across 5 active restaurants/venues, processing 1,000+ monthly transactions/tickets per location.
- [Link](#)

DMA (Distribuidora Mayorista Autopiezas) / EN DIRECTO

Full-Stack Software Developer

2024 – Present

- Developed a B2B distribution SaaS platform using Next.js 15, NestJS, and MongoDB, managing the catalog, orders, and complex billing workflows for 520+ clients per distributor and a catalog of 11,000+ products.
- Designed and implemented a payment allocation engine modeling Argentine financial conventions, including sequential document settlement, check interest amortization, and refinancing plan generation.
- Built a multi-tenant architecture using feature flags and environment-based configuration, enabling scalable white-label deployments for 2 corporate clients.
- Implemented server-state caching across 43 API slices using RTK Query and Redux Toolkit, ensuring resilient, real-time data synchronization for field sales representatives.
- Deployed the entire infrastructure on a VPS (Hostinger) from scratch: server provisioning, Nginx reverse proxy configuration, process management with PM2, SSL certificates with Let's Encrypt (Certbot), domain and DNS management, through to full-stack production release.
- [DMA](#) / [EN DIRECTO](#)

NOVA SUSHI

Owner

2025

- Designed and developed a landing page, managing the full project lifecycle from requirements gathering to deployment and performance optimization, achieving a 30% improvement in load speed and a 32% increase in orders.
- [Link](#)

CALM ES SIMPLE

Front-End Developer – Internship

Dec 2023 – Feb 2024

- Refactored the frontend architecture by strictly applying Atomic Design principles, improving code maintainability and component reusability by ~40%.
- Collaborated on UI improvements and component modularization to optimize the user experience and reduce technical debt.

EDUCATION

- UNED — Bachelor's Degree in Computer Engineering — In progress (expected start: October 2026)
- Henry — Full Stack Web Developer Bootcamp · 2023 — JavaScript, React, Redux, Node.js, SQL, HTML/CSS · 700+ hours of intensive training.
- Henry — Backend Upskilling: Microservices Architecture · 2023 — Microservices, Docker, MongoDB.

Complementary certifications

- Platzi — [Full Stack Developer con JavaScript](#) (2023)
- freeCodeCamp — [JavaScript Algorithms & Data Structures](#) (2023, ~300h)
- freeCodeCamp — [Responsive Web Design](#) (2023, ~300h)

LANGUAGES

Spanish (native) · English — C2 ([EF SET 76/100](#), 2023)