

# Nahuel Argañaraz

Full Stack Developer | Backend & Integrations Specialist

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## PROFESSIONAL SUMMARY

Full Stack Developer specialized in backend, business integrations and process automation. Recent production experience reducing 3 daily hours of manual work through Pipedrive CRM integration for Aguartec (IdParterns, Oct-Dec 2024). Build systems with complex architecture: JWT authentication, RBAC with custom Guards, conflict detection with atomic transactions. Main stack: TypeScript, NestJS, Prisma, React. Intensive training at Bootcamp Henry (+800h) with continuous self-taught specialization in scalable architectures.

## TECHNICAL SKILLS

**Backend:** NestJS, Node.js, Prisma ORM, Express.js, JWT, RESTful APIs, Google Apps Script

**Frontend:** React 19, TypeScript, JavaScript ES6+, TailwindCSS, Context API, Zustand

**Database:** PostgreSQL, MySQL, Supabase, Relational Design, ACID Transactions

**Architecture:** Clean Architecture, SOLID, Repository Pattern, Dependency Injection, Guards/Decorators

**DevOps & Tools:** Git, GitHub, Vercel, Render, Railway, Docker, Swagger/OpenAPI, Postman

## PROFESSIONAL EXPERIENCE

### Developer — IdParterns

Oct 2024 - Dec 2024 | Remote

- Reduced ~3 daily hours of manual work for the sales team through bidirectional Google Sheets ↔ Pipedrive CRM integration for Aguartec (aquaculture sector)
- Implemented automation scripts with Google Apps Script that synchronize products, pricing and deals at scale via Pipedrive API
- Developed data validation and robust error handling to ensure integrity in concurrent multi-product updates
- Configured real-time synchronization through polling and automatic triggers, eliminating data inconsistencies between systems

### Freelance Web Developer — Self-Employed | Client: Chef Jon Argañaraz

Dec 2025 - Jan 2026 | Remote

- Built professional landing page with React, TypeScript, TailwindCSS and Framer Motion. Mobile-first responsive design with performance <2s
- Managed full project lifecycle from initial brief to Vercel deployment, working directly with client

### Hospitality Sector — 2014 - 2024

10 years developing transferable skills: management under pressure, multitasking, rapid problem-solving and attention to detail.

## FEATURED PROJECTS

### Shift Management System

Stack: NestJS · Prisma · PostgreSQL · Supabase · React 19 · TypeScript · JWT

Live demo: [shift-management-livid.vercel.app](https://shift-management-livid.vercel.app)

- PROBLEM: Businesses with multiple employees suffer double-bookings causing client loss due to manual availability management
- SOLUTION: Conflict detection algorithm with Prisma atomic transactions that prevents simultaneous reservations in concurrent environments
- ARCHITECTURE: NestJS backend + Clean Architecture on Render. React 19 + Context API frontend on Vercel. PostgreSQL database on Supabase

- RBAC with 3 roles (Admin/Employee/Client), custom NestJS Guards, JWT with refresh tokens and Swagger-documented API

## Cash Register MVP

Stack: NestJS · Prisma · MySQL · React · Zustand · TypeScript

Live demo: [cash-register-mvp.vercel.app](https://cash-register-mvp.vercel.app)

- PROBLEM: Small businesses lose money through manual cash register errors and lack of structured financial reports
- SOLUTION: Atomic transactions with Prisma ensuring cash open/close are "all-or-nothing" operations, preventing inconsistent states
- FEATURES: Multiple payment methods, reports with complex SQL aggregations, transaction history with search and temporal filters
- Optimistic state management in frontend with Zustand for immediate UX without compromising data consistency

## Countries Info App

Stack: Express.js · React · Chart.js · REST APIs

- Express.js backend as proxy/aggregator for external APIs (Nager.Date, CountriesNow) with fallback system for service failures
- Interactive visualization of demographic data for 200+ countries with Chart.js and efficient pagination

## EDUCATION

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### Full Stack Web Development (+800 hours) — Bootcamp Henry

Apr - Aug 2024

JavaScript ES6+, React, Redux, Node.js, Express, PostgreSQL, Sequelize. Methodologies: Scrum, Pair Programming. Includes 3-month professional internship at IdParterns.

### Full Stack Development Specialization — Continuous self-taught training

2023 - Present

Advanced TypeScript, NestJS, Prisma ORM, Clean Architecture, SOLID, Design Patterns, Security best practices.