

GERSON ALAN PONCE PATRÓN

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PROFESSIONAL SUMMARY

Full stack developer in the final semester of Software Engineering at ITSON, building production-grade web applications with React, Vue, NestJS, and Node.js. Took technical ownership of a 4-person team on a multi-tenant dental SaaS, defining architecture, Git workflow, and stack decisions from day one. Recently completed a 4-month remote internship at DESA Group. Seeking my first full-time position as a junior full stack developer.

PROFESSIONAL EXPERIENCE

Developer Intern • DESA Group • Monterrey, Nuevo León (Remote) • Feb 2026 – May 2026 • 4 months

- Developed full stack features across multiple modules of a customs management application within the team's technology stack
- Built reusable UI components and corresponding REST endpoints, owning features end-to-end from interface to API
- Collaborated within a distributed remote team applying Scrum methodology and Git-based workflow

EDUCATION

B.S. Software Engineering • Instituto Tecnológico de Sonora (ITSON) • 8th semester • Expected graduation: December 2026
Focus: web/mobile/desktop development, scalable architecture, agile methodologies.

TECHNICAL SKILLS

Frontend: React, TypeScript, Vue, Nuxt, Tailwind CSS, Vite, shadcn/ui, Chart.js, Astro

Backend: NestJS, Node.js, Express, Nitro, Python (Flask), Kotlin, REST API design, Socket.IO, JWT

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Tools: Git/GitHub, Docker, CI/CD (GitHub Actions), AWS (EC2, S3), k6, Figma

Integrations: Stripe Connect, Google Maps API, WhatsApp Business API

Architecture & Methods: Multi-tenant, RBAC, Agile/Scrum

FEATURED PROJECTS

TuriSC Tourism Marketplace for San Carlos (*in development* • 2025 – Present)

- RBAC with granular per-role permissions via NestJS middleware, designed from day one
- Stripe Connect with KYC onboarding and split payments between marketplace and providers
- Real-time chat with Socket.IO including reconnection handling and message persistence
- Containerized with Docker, automated deployment via CI/CD, and load testing with k6

Stack: React • NestJS • MySQL • Stripe Connect • Socket.IO • Tailwind • shadcn/ui • Google Maps API • Docker • CI/CD • k6

AMY Event Furniture Rental Management (2025)

- Date-range availability via PostgreSQL interval overlap queries, eliminating double-bookings on overlapping reservations
- Predefined package snapshots (weddings, quinceañeras, corporate) for one-click quoting with historical consistency
- Financial module with income/expense tracking and real-time metrics dashboard (Chart.js)

Stack: Vue 3 • Node.js • Express • PostgreSQL • Tailwind • Chart.js • Vite

Dental Clinic SaaS Multi-Tenant Management Platform (2024)

- Multi-tenancy from day one: clinic_id on every document with middleware-enforced filtering, preventing cross-tenant data leaks
- JWT authentication with HTTP interceptors and RBAC for 3 roles (Admin, Doctor, Assistant) scoped per tenant
- Real-time dashboard with Chart.js for clinic metrics; appointment, patient, and inventory modules

Stack: React 19 • Node.js • Express 5 • MongoDB • JWT • Chart.js • Context API • Express Validator • Axios • Vite

GAPE Rentals Beach Services Reservation Platform (*web + PWA* • 2024)

- Bidirectional sync between web (customer reservations) and PWA (field operators) with availability locking to prevent double-bookings
- Offline-first PWA with Service Workers for operators in low-connectivity beach environments
- WhatsApp Business API for transactional booking confirmations

Stack: React • TypeScript • Tailwind • Flask • React Query • PWA • Service Workers • WhatsApp Business API • Vercel

LANGUAGES

Spanish: Native • **English:** Professional reading proficiency; conversational in progress