Emilio Parra González

Software Developer | Java, Python, TypeScript | Backend and full-stack

hello@emilioparra.dev | (222) 752 8799 | Puebla, Mexico
github.com/EmilioPG13 | linkedin.com/in/emilio-parra-3813a5107 | emilioparra.dev

Software developer (Java, Python, React) focused on backend services that stay correct when things fail, proven with tests, plus cloud deployment and full-stack work. Works with Claude Code and MCP servers.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, SQL

Backend: Spring Boot, Spring Security, JPA (Hibernate), Flyway, Node.js, Express, REST APIs (OpenAPI), FastAPI, Pydantic, SQLAlchemy (async), Alembic, PostgreSQL

Frontend: React, TanStack Query, Tailwind CSS, Vite

Cloud, DevOps, testing: AWS (SQS, EKS, RDS), Kubernetes, Helm, Terraform, Docker, GitHub Actions, JUnit 5, Testcontainers, Playwright, Neon, Northflank

AI: Claude Code, MCP servers, NVIDIA NIM, multi-agent workflows

Languages spoken: Spanish (Native), English (C2), German (B1)

PROJECTS

Court Booking | Live demo: reservation-system-azure.vercel.app | Code: github.com/EmilioPG13/reservation-system | emilioparra.dev/projects/court-booking

`Python 3.13` `FastAPI` `PostgreSQL` `React 19` `TypeScript`

- Padel court booking app where double bookings are impossible: the database itself rejects overlapping reservations, proven by a test that fires 20 simultaneous requests at one slot (exactly one succeeds).
- 224 backend tests at 94% line coverage and 26 frontend tests. CI on GitHub Actions. Deployed on Vercel, Northflank and Neon.

Webhook Delivery Platform | github.com/EmilioPG13/webhook-delivery-platform | emilioparra.dev/projects/webhook-delivery-platform

`Java 25` `Spring Boot 4.1` `PostgreSQL` `Amazon SQS` `Kubernetes` `Terraform`

- Service that delivers webhooks reliably: signed requests, automatic retries, a dead-letter queue and SSRF protection. No events lost on worker crashes or queue outages, tested against a real PostgreSQL.
- Load tested with k6 at 400 events per second. Deployed to AWS with Terraform and Helm. A rolling update under load lost 0 events in 3 runs on local Kubernetes (kind).

Price Tracker Bot | github.com/EmilioPG13/price-tracker-bot | Live: t.me/Emilio_price_tracker_bot

`Python 3.13` `python-telegram-bot` `SQLAlchemy` `PostgreSQL` `Docker` `GitHub Actions`

- Telegram bot that tracks prices at Cyberpuerta and Liverpool and alerts users when a price hits their target. 360+ tests at 91% coverage. On Northflank since September 2026.

Larsen Italiana Lead-Gen Website | github.com/EmilioPG13/Larsen-WebPage | Live: larsenitaliana.com

`React 19` `TypeScript` `Express` `PostgreSQL` `Prisma`

- Bilingual (ES/EN) lead-generation site and inventory back office for an industrial knitting machine company: catalog, quote requests, stock management and a JWT-secured admin panel. 634 tests and CI on GitHub Actions. Frontend on Vercel.

EXPERIENCE

Digital Developer & Marketing — Jun 2026 to Present

Larsen Italiana, Internship (Estadía I and II)

- Sole person responsible for the digital area. Built and deployed the bilingual React/Vite website and set up Google Search Console.

EDUCATION

Web Development Bootcamp, DEV.F, Mexico City — Oct 2021 to Oct 2022

Full-Stack Engineer Certification, Codecademy — Sep 2025

Bachelor's in Marketing, Universidad Madero — Graduating 2027