

José Carlos Chaparro

Full Stack Engineer

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Mexico-based · Open to remote / US relocation · **US Citizen (no sponsorship required)**

Languages: Spanish (native) · English (professional working proficiency)

Professional Profile

Full Stack Engineer with 2+ years of production experience building backend systems in Python (FastAPI) and C# (.NET) on AWS and Linux. Shipped a containerized ML platform from scratch; previously maintained an ERP serving 170+ branches and 1,750+ employees. Owns the full SDLC: requirements, coding, QA, deployment, and production support.

Technical Skills

Languages: Python, JavaScript, TypeScript, C#, SQL

Backend: FastAPI, Django, Node.js, .NET Framework

Frontend: React, React Native, Next.js

Databases: PostgreSQL, SQL Server

Cloud & DevOps: AWS (EC2, RDS, S3, IAM, Secrets Manager), Docker, Docker Compose, Nginx, Cloudflare, Dokploy, Git, GitHub Actions, Linux

Work Experience

Full Stack Engineer

August 2025 – Present

Moneta Market

- Architected the company's first containerized platform on AWS EC2 (Linux): 6-service Docker Compose stack (2 FastAPI microservices, Label Studio, MLflow, Nginx reverse proxy) replacing manual deployment with reproducible automation.
- Designed an 18-table PostgreSQL schema on AWS RDS (18 foreign keys, 28+ indexes, idempotent migrations, soft-delete audit trail) accessed via SSH tunnel through EC2 bastion host.
- Built an event-driven FastAPI webhook integrating Label Studio with S3: Repository pattern, atomic DB/S3 rollback, async connection pooling, in-memory cache with DB fallback; wrote runbooks for team onboarding.
- Developed a cross-platform C# desktop app (.NET 10, Avalonia, migrated from WPF) for ML-frame human review: MVVM, two-pass verification, sliding-window prefetch cache.
- Set up least-privilege IAM, AWS Secrets Manager, LocalStack for local S3, and GitHub Actions CI; co-supervise 2 interns with the lead developer.

Freelance Full Stack Engineer (Part-time)

February 2025 – Present

Independent Contractor

concurrent with Moneta Market role

- Deliver full-stack web and mobile apps end-to-end (React, React Native, Next.js, FastAPI, Django) on PostgreSQL. Self-host on a personal Linux server using Dokploy, Docker Compose, and Cloudflare Tunnels, a low-cost alternative to Vercel/AWS for clients.

.NET Software Developer

March 2024 – August 2025

Grupo Roga

- Maintained and extended a mission-critical ERP serving 170+ branches and 1,750+ employees (Mueblería El Pasito / Villarreal Muebles / Dinexpress); built multi-branch inventory, pricing, accounts receivable, and POS modules in .NET Framework on Windows.
- Designed SQL Server architecture for multi-branch retail: stored procedures for inventory aggregation and pricing, automated reporting via SQL Server Agent jobs, eliminating manual report compilation for operations.

Education

Bachelor of Science in Computer Science Engineering, Universidad Autónoma de Chihuahua

2018 – 2023

GPA 9.2 / 10, graduated by academic merit.