

Germán Castro Montes

Senior Full-Stack Developer

Granada, Spain 629718725 germancastromontes@gmail.com https://gecm.dev

Profiles

LinkedIn Germán Castro

patamimbre

Skills

Full-Stack & Mobile Development

TypeScript, React, Next.js, React Native (Expo), Node.js, Python (FastAPI), TanStack Query, Tailwind, GraphQL

Database & Cloud

Vercel, AWS Lambda, Docker, Firebase, Supabase, SQL, Redis, Cloudflare

AI

AI integrations, Vercel AI SDK, LiteLLM, Prompt Engineering

Development Practices

Git workflows, Jest/Playwright, Agile/Scrum, Performance Optimization

Certifications

NestJS Official Course

NestJS

https://courses.nestjs.com/

AI Evals for Engineers & PMs

Parlance Labs

https://maven.com/parlance-labs/evals

Education

Universidad de Granada

Bachelor's in Computer Science

2015-2019, Final Project Pending

Languages

Spanish

English

B2 - Professional working proficiency

Summary

Senior Full-Stack Developer with 7+ years building scalable web applications and AI-powered platforms. Technical leader experienced in mentoring teams, system architecture, and delivering complex projects from MVP to enterprise-scale.

Experience

EZRA Climate (StriveLabs)

FullStack Developer / Technical Leader

February 2025 to Present

ClimateTech startup accelerating climate solutions financing through AI-powered due diligence tools

- **Technical leadership:** Led team of 4 developers + QA, defining complete system architecture and coordinating directly with VP of Product to establish technical roadmap
- **AI-powered platform:** Built end-to-end due diligence platform processing 5,000+ financial documents across 100+ deals using multi-LLM integration with optimized prompt engineering
- **Rapid delivery:** Delivered fully functional system in under 6 months using Next.js, FastAPI, and Supabase with continuous scaling capabilities

Tech Stack: Next.js, FastAPI, Supabase, OpenAI, Gemini, Claude, Vercel AI SDK

DigitalWisdom AI (StriveLabs)

Mobile Developer

San Jose, CA

January - February 2025

White-label AI coaching platform enabling rapid deployment of personalized coaching avatar apps

- **Multi-tenant architecture:** Co-developed white-label mobile platform enabling rapid deployment of customized AI coaching apps for multiple clients with dynamic branding and content configurations
- **AI coaching integration:** Implemented comprehensive AI experience with Gemini LLM supporting text/voice interactions and streaming responses using Vercel AI SDK
- **Rapid deployment:** Delivered functional MVP within 2-month timeline enabling 3 sub-client deployments

Tech Stack: React Native (Expo), Firebase, Gemini AI, Vercel AI SDK, TanStack Query

Achaemenid (StriveLabs)

Mobile Developer / Consulting Specialist

November - December 2024

Mobile app enabling wireless intraoral biosensor data capture for sleep apnea monitoring

- **Critical problem resolution:** Contracted to resolve production-blocking BLE connectivity issues preventing medical client delivery. Successfully diagnosed and fixed persistent device disconnections within 2-week timeline
- **Medical device integration:** Implemented robust BLE connectivity with intraoral biosensors (oxygen saturation, heart rate, motion) and enhanced UI/UX for medical professionals

Tech Stack: React Native (Expo), Bluetooth Low Energy (BLE), Sentry

SPAN

Backend Cloud Developer

June 2022 - November 2024

Backend developer for production energy management platform serving hundreds of smart electrical panels

- **API development & optimization:** Developed GraphQL APIs with multi-layer caching systems, reducing response times from several seconds to under 1 second. Implemented database optimizations and performance improvements across the platform
- **Energy sector integrations:** Built integrations with major battery systems (Tesla Powerwall, Enphase, FranklinWH) and energy utilities using AWS Lambda and webhook architectures
- **System architecture & leadership:** Led performance optimization initiatives and system-wide improvements while managing 3-person development team. Progressed from mid-level to senior developer on enterprise production systems

Tech Stack: GraphQL, Apollo Server, TypeScript, Node.js, Python, AWS Lambda, PostgreSQL, Redis, Docker

Celtiberian

Unit Lead & Technical Mentor

February 2022 - September 2024

Technical leadership role focused on training junior developers and leading internal innovation projects

- **Training & mentorship:** Designed training program for ~20 junior developers achieving 90% success rate transitioning to client-ready professionals within 3 months. Established code standards and conducted technical interviews
- **Innovation project leadership:** Led development of web scraping platform (Puppeteer/Playwright) and AI-powered HR tool with OpenAI integration for talent acquisition, managing cross-functional teams of 2-3 developers per project

Tech Stack: React, Next.js, TypeScript, Python, Puppeteer, Playwright, OpenAI API

Rhythm360

Backend Developer

July 2020 - June 2022

Cloud-based cardiac device management platform with HIPAA compliance

- **Healthcare integrations:** Developed Django backend integrating with cardiac device manufacturers (Abbott, Biotronik, Medtronic) using reverse engineering and web scraping
- **Data processing:** Implemented Celery task scheduling for automated patient data collection

Tech Stack: Django, Python, Vue.js, Celery, Puppeteer, PostgreSQL

Other Positions

Fullstack Developer

2019-2020

Full-Stack Developer - Corverix: HIPAA-compliant cardiovascular health platform with wearable device integrations

Backend Developer - SMBX: Small business bond marketplace with peer-to-peer lending platform

Frontend Developer - Seventh.ai: AI-powered intellectual property analytics platform

Projects

Oreinos Home

Custom 3D topographical trophy display e-commerce platform

- **3D terrain generation:** Built geospatial processing system generating high-precision STL files from interactive map selections with real-time 3D visualization
- **E-commerce platform:** Developed complete shopping experience with Shopify integration, custom product configurator, and automated digital asset delivery

Tech Stack: Next.js, Shopify API, STL Generation, Geospatial APIs, Cloudflare R2

https://oreinos.com