Hugo Gómez

Full-Stack / Backend Developer (.NET · React) — Tech Lead

Guatemala (GMT-6) · Remote, US and LATAM time zones

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PROFESSIONAL SUMMARY

Full-stack developer and tech lead with 6+ years building enterprise software for banking, logistics, and agribusiness. I own the full delivery cycle: requirements, architecture, development, deployment, and user training. I work with C#/.NET 8–10, React, React Native, and SQL Server. I cut maintenance costs by 20%, sped up ERP queries by up to 40%, and integrated Hikvision and Dahua biometric devices in real time. I work closely with business stakeholders.

TECHNICAL SKILLS

- **Backend:** C#, .NET 6/8/10, ASP.NET Web API, SignalR, Entity Framework, Python
- **Frontend & Mobile:** React, React Native, Expo, PWA, JavaScript, TypeScript, Tailwind CSS
- **Databases:** SQL Server, T-SQL, SSRS, Sybase ASE, PostgreSQL, MySQL, Oracle
- **Infrastructure:** Windows Server, IIS, Cloudflare Tunnels, Vercel, GitHub, backup and disaster recovery
- **IoT & Computer Vision:** Hikvision and Dahua devices (face and fingerprint), event-driven thermal printing, face recognition with small models, OpenCV, applied machine learning
- **AI:** OpenAI API (GPT-6 Luna), Claude, MCP servers
- **Methodologies:** Scrum, Clean Architecture, Domain-Driven Design

EXPERIENCE

Head of IT & Full-Stack Developer — Top Green May 2022 – Present

Banana and plantain exporter.

- Lead end-to-end delivery of internal products: requirements, analysis, architecture, development, deployment, and training. Coordinate a small team and work directly with business areas.
- Consolidated 4 on-premises servers into 1 Windows Server with 1 SQL Server instance, cutting maintenance costs by 20% and payroll closing time by 45%.
- Improved ERP query performance by up to 40% by refactoring high-cost stored procedures. Built SSRS dashboards.
- Designed and delivered several greenfield internal products with React, .NET 8/10, and SignalR, plus Android apps with React Native. Run code reviews and deployments in a private GitHub organization.
- Integrated Hikvision (face) and Dahua (fingerprint) devices for real-time attendance and access control. Web reports give managers operational visibility across remote sites.
- Designed the backup and disaster recovery strategy, with monthly restore tests and zero data loss.

Software Developer — Banco Agromercantil Jul 2021 – Apr 2022

- Built 40+ REST endpoints in C# and Sybase to integrate a new third-party service provider.
- Maintained internal application modules and provided tier-2 support to 100+ accounting users.

Backend Software Engineer — Forza Delivery Express Jan 2021 – Jun 2021

- Built 70+ REST endpoints and 15+ WinForms screens for parcel logistics, warehouses, and courier operations.
- Modeled 30+ tables, 30+ stored procedures, and triggers.
- Led Scrum ceremonies for the development team.

Programmer — SASSA Jul 2020 – Dec 2020

- Maintained the company's main product.

Programmer — CEMESA (Hospital Centro Médico) 2019 – Jun 2020

- Implemented FEL (Guatemala's electronic invoicing system) and built other internal projects.

PROJECTS

LenasCloud lenascloud.com

Cloud software suite for small and mid-sized businesses in Guatemala. I designed and built it on my own with React and .NET.

- Lena RH Cloud: Guatemalan payroll with IGSS (social security), ISR (income tax), Bono 14, and Aguinaldo (statutory bonuses). Multi-company, with an employee portal.
- Also: Lena Agenda Médica (medical scheduling with clinical records and digital prescriptions) and Lena Laboratorio (HL7/ASTM integration with lab analyzers).

Kinie kinie.app

Web platform and Android app for private World Cup 2026 football prediction pools, built with React and .NET. Includes leaderboards, custom scoring rules, invites by code and QR, and a company mode.

Top Green Corporate Website topgreengt.com

Designed and launched the company website with HTML, CSS, and JavaScript, deployed on Vercel.

AI Assistant Connected to the ERP

AI assistant that answers natural-language questions about an ERP database in read-only mode, enforcing each user's permissions and payroll restrictions. It uses OpenAI's GPT-6 Luna model and includes an MCP server that connects Claude through a secondary server that protects the primary database. Built with .NET and SQL Server.

License Plate and Odometer OCR (university project)

Python, OpenCV, and pytesseract to read license plate characters and odometer values from a camera.

EDUCATION

- **Computer Systems Engineering** — Universidad Mariano Gálvez de Guatemala (all coursework completed; degree not yet conferred)
- **High School Diploma in Computing** — Instituto Privado San Antonio

LANGUAGES

Spanish: native · English: technical reading, actively improving