Maximiliano González Ballesteros

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Education

Universidad Tecnológica de León, Acámbaro Campus — Acámbaro, GTO
Bachelor of Engineering in Virtual Environments and Digital Business — August 2025
GPA: 3.9 / 4.0

Universidad Tecnológica de León, Acámbaro Campus — Acámbaro, GTO
Associate Degree in Information Technology, Virtual Environments and Digital Business — November 2023
GPA: 4.0 / 4.0

Technical Skills

Programming Languages: JavaScript, TypeScript, SQL
Front-End: React.js, Next.js, Tailwind CSS
Back-End & APIs: Node.js, Express.js, REST APIs, GraphQL
Databases: PostgreSQL, MySQL
DevOps & Cloud: AWS, Docker, Linux, Git/GitHub, CI/CD (GitHub Actions)
AI & Agent Engineering: Agent harnesses, Spec-Driven Development, multi-agent orchestration & sub-agent delegation, context engineering, token & context optimization, prompt caching, LLM APIs, MCP, agent memory systems

Languages
Spanish: Native **English:** Intermediate (B1)

Featured AI Project

funky-AI — AI-assisted development framework

- Designed the CLI ecosystem: project planning (funky-forge: canvases, architecture review, cost estimation — 50% faster idea-to-cost planning, internal estimate), dependency hardening (funky-secure), and file-based agent memory.
- Built a Spec-Driven Development pipeline with just-in-time context loading; up to 40% lower token consumption than always-loaded context (internal estimate).
- Applied TDD (Vitest) and issue-first workflows, reducing implementation rework by 40% (internal estimate).

Relevant Experience

Centro CAF — Acámbaro, GTO
Full-Stack Developer (Contract) — Nov 2025 - March 2026
Built and deployed a production-grade clinical management platform used daily by medical staff to streamline patient scheduling, billing, and operational analytics.

- Architected a modular feature-based system using Next.js, TypeScript and Prisma to improve maintainability and enable faster feature delivery.
- Implemented role-based access control for multi-user workflows across administrative and physiotherapy staff.
- Developed a public landing page integrated with the scheduling system.
- Reduced patient record retrieval latency by 40% by introducing PostgreSQL indexes and server-side caching strategies.
- Deployed and maintained the platform on Vercel with serverless PostgreSQL, achieving 100% production uptime.

Municipal Government of Acámbaro — Acámbaro, GTO
Full-Stack Developer (Professional Internship) — January 2025 - April 2025
Led the development of a scalable full-stack platform that digitized social assistance requests, replacing paper-based workflows and streamlining municipal operations.

- Built core modules using Next.js, TypeScript, PostgreSQL, and Supabase for authentication and data management.
- Implemented automated generation of legally valid PDF documents and analytics dashboards to support decision-making.
- Coordinated project delivery and team execution using Scrum and Jira.