LUCAS BAZAN

Full Stack Engineer & AI Developer

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PROFESSIONAL SUMMARY

Information Systems Engineer building full stack applications with Next.js, TypeScript, Node.js and PostgreSQL. Focused on scalable APIs, reliable business workflows and production-ready systems, with strong attention to testing, CI/CD and software quality. Uses Claude and Cursor daily for architecture, implementation, debugging and documentation.

SKILLS

Languages: JavaScript, TypeScript, SQL, Java, C++, C#

Frontend: Next.js, React, React Server Components, Tailwind CSS, Responsive Design, SEO

Backend & Data: Node.js, REST APIs, Authentication, API Integrations, .NET, PostgreSQL, MySQL, Supabase

Testing & DevOps: Cypress, Cucumber, End-to-End Testing, CI/CD, GitHub Actions, Git, GitHub, Vercel, Postman

AI: Claude, Cursor, AI-Assisted Development, Prompt Engineering, Computer Vision

Practices: Object-Oriented Programming, SOLID, Design Patterns, Data Structures, Microservices, Edge Computing, UML, Functional Analysis, Agile / Scrum

Spoken Languages: Spanish (Native), English (B2, Upper-Intermediate)

EXPERIENCE

Freelance Full Stack & AI Engineer

Jan 2025 – Present

Self-employed, Remote

Build full stack applications, enterprise software and AI solutions for clients, owning the full lifecycle: requirements, architecture, development, API integrations, AI workflows and deployment.

- **We Latam:** Developing AI-driven solutions, including automated video and podcast generation systems and a short-form video platform built on AI services and third-party API integrations.
- **Centro Distribuciones:** Designed and built a full stack ERP for inventory, sales and administrative operations with TypeScript, Next.js and PostgreSQL. Built a high-performance e-commerce platform that increased organic traffic by 107% through data-driven optimization.
- **Foton | ICAT:** Developed an AI-powered web application for automated film script analysis (script, cast, locations and budget) with Next.js, TypeScript and Supabase. Managed deployment and infrastructure on Vercel.

Software Intern

Nov 2025 – Mar 2026

Argentine Navy, Operational Analysis, Weapons and Electronic Warfare Service

- Designed and implemented ASTERIX (EUROCONTROL) protocol decoders in C++ with the Qt framework and integrated them into mission-critical radar console systems for real-time data processing.
- Developed and maintained software tools for information management and operational support in an environment with strict reliability and process requirements.

Summer Trainee, Training Internship

Jan 2022 – Mar 2022

Telefónica | Movistar

- Applied Agile (Scrum) in an intensive technical and business program, solving strategic challenges in telecommunications.

PROJECTS

Proyecto Agro: AI-Powered Livestock Monitoring Platform

proyecto-agro-web.vercel.app

- Built an AI decision support platform for livestock management with INTA researchers and agricultural experts, combining computer vision, data processing and mobile technologies.
- Trained and optimized a computer vision model that assesses cattle body condition offline, directly on mobile devices in the field.
- Designed data collection, synchronization and reporting workflows for operational monitoring and analytics.

EDUCATION

Information Systems Engineering

Graduated Mar 2026

Universidad Nacional del Sur, Argentina