

Ernesto Vizcaíno Alvarado

AI & Full-Stack Engineer

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EXPERIENCE

PasaEGEL pasaegel.com Remote, Mexico
Founder / Engineer Apr 2026 – Present

- Launched an AI-powered EGEL exam-preparation platform as solo founder, growing to **1,200+ registered users**, **~5,000 monthly visits**, and **US\$5K+ in revenue** within 6 months.
- Shipped exam simulations, AI question generation, progress tracking, onboarding, and payments end to end with Next.js, TypeScript, and Convex.
- Drove acquisition through SEO, reaching **top-5 Google organic rankings** for targeted EGEL searches; instrumented signup and purchase funnels in PostHog to guide product and pricing decisions.
- Reused the platform to launch **PasaContratista**, Spanish-language prep for US contractor license exams.

Financiamiento Inteligente / Xignus financiamientointeligente.com Remote, Mexico
AI Engineer / Founding Team Oct 2025 – Feb 2026; Aug 2026 – Sep 2026

- Designed the credit preapproval model behind **MXN \$4M+ in SMB financing** in its first month.
- Developed AI agents and knowledge bases integrating tax, banking, and financial data into credit workflows.
- Integrated CONTPAQi and built an ETL pipeline automating Excel reports for accounting reconciliation.

Oliver AI tryoliver.ai Remote, Mexico
Technical Co-Founder Aug 2021 – Jul 2025

- Launched a mobile POS app for SMBs reaching **10,000+ downloads and 3,000 active users in 3 months**, then expanded it into a web-based ERP.
- Led the company's pivot to B2B fintech based on customer discovery, shipping a lending platform for financial institutions with onboarding, loan workflows, and customer dashboards.
- Deployed production AI agents for loan origination, risk and compliance checks, and financial document processing using the Vercel AI SDK.
- Engineered AWS and BigQuery data pipelines turning banking data into credit insights for clients including Abaco Capital.

AWARDS & RESEARCH

1st Place, Xólotl Hackathon, Phase 3 (Advanced Track) Aug 2026
CUDI / LAMOD, Instituto de Astronomía (UNAM): Rubin/LSST Astronomical Time Series Classification

- Won the advanced track of a national hackathon open to undergraduate, graduate, and professional participants, working with Vera C. Rubin Observatory LSST alert data.
- Designed a pipeline for classification, anomaly detection, and uncertainty estimation over **5.1M+ objects**, evaluated on **6,000 simulated light curves** across 10 classes with **600 observing cadences held out**.

EDUCATION

Universidad Autónoma de San Luis Potosí (UASLP) San Luis Potosí, Mexico
B.S. in Intelligent Systems Engineering (Computer Science & AI) Expected Dec 2026

SKILLS

Programming: TypeScript, Python, SQL

Full-Stack: Next.js, React, React Native, Node.js, Convex, PostgreSQL

AI / LLMs: LLM Agents, RAG, Vector Databases, Vercel AI SDK, OpenRouter, OpenAI and Anthropic APIs

ML / Data: PyTorch, scikit-learn, XGBoost, BigQuery, ETL Pipelines

Infrastructure: AWS, Vercel, Git, PostHog

Languages: Spanish (Native), English (Fluent)