

Jefferson Alexander Tigselema Pacheco

Applied AI Engineer | AI Platforms & Product Engineering

Ecuador | Remote with US time-zone overlap | alexxtp@gmail.com

linkedin.com/in/atpsito | github.com/atpsito | atpsito.com

SUMMARY

Software engineer with 7+ years of experience across backend, web, mobile, and cloud systems, now focused on applied AI. Co-designer and primary implementation contributor to an internal AI platform used by approximately 200 employees. Founder of Truquito, a production news and events app with 120 monthly active users.

CURRENT EXPERIENCE

Kushki | Developer - Applied AI Platform

Oct 2025 - Present | Ecuador

Stack: Python, TypeScript, AWS Bedrock AgentCore, Strands, FastMCP, MongoDB, AWS CDK, CloudWatch.

- Co-designed and implemented an internal AI platform within a four-person core team, centralizing initiatives from intake to delivery. Supports cloud agents for non-technical users and local development workflows for engineers.
- Built reusable agent infrastructure supporting 7 MCP integrations, 150+ tools, and 40 skills. The platform is used regularly by approximately 200 employees.
- Implemented a semantic skill registry using multilingual-e5 embeddings and Claude-based reranking to select relevant skills for inclusion in the agent's context.
- Helped centralize registration and tracking of approximately 75% of AI initiatives, providing visibility into work previously managed without a central registry.

INDEPENDENT AI PRODUCT

Truquito | Founder & AI Product Engineer

Jul 2025 - Present | truquitoapp.com

Stack: React Native, n8n, Supabase, Vercel, OpenRouter, Google Places, OpenAI embeddings.

- Built and operate the mobile and web product as the sole founder and technical owner. Reached 450 registered users and 120 monthly active users across iOS and Android, with total operating costs of approximately USD 50 per month.
- Built n8n workflows that check 15 national RSS sources every 10 minutes and analyze approximately 200 articles daily. LLM extraction identifies locations, severity, summaries, and affected people; Google Places resolves locations for proximity-based alerts.
- Generate text-embedding-3-small embeddings for news and events to support future intent-based search. Review n8n error logs and repair or disable discontinued RSS feeds.
- Switched inference from Gemini 2.5 Flash to DeepSeek V4 Flash via OpenRouter, reducing monthly model spend from approximately USD 20 to USD 5.

EARLIER EXPERIENCE

Sofka Technologies | Development Consultant

Nov 2024 - Sep 2025 | Remote | Client: Diners Club Ecuador

Stack: React Native, TanStack Query, Zustand, React, Next.js; BIAN-aligned API environment.

- Contributed to the mobile application rebuild and web platform within a 10-person delivery cell. The mobile app has 100K+ Google Play downloads.
- Implemented login features and improved client-side state and data fetching to reduce unnecessary re-renders, using TanStack Query and Zustand.
- Worked within requirements for encrypted credential and data storage in a regulated financial-services environment.

TRD Digital / Trade EC | Lead Frontend Developer

Apr 2020 - Aug 2024 | Remote

Stack: TypeScript, React, Next.js, React Native, AWS Lambda, SQS, LlamaIndex, Amazon Connect.

- Led three developers delivering consumer web and mobile applications serving 20K+ users.
- Redesigned product ingestion with AWS Lambda and SQS, reducing processing time from approximately 2 hours to 10 minutes across roughly 200 stores and 20K product configurations. Also reduced processing errors and manual rework.
- Shipped a natural-language movie recommender for a cinema app, using LlamaIndex and an active catalog supplied in the prompt.
- Contributed to an insurance chatbot integrating client systems through tools and Amazon Connect; the initiative remained in development.

Manticore Labs | Fullstack Developer

Feb 2018 - Feb 2020 | Ecuador

- Led five developers building an inventory and sales platform for a confidential client, implementing frontend and backend workflows with Angular, TypeScript, NestJS, and TypeORM.

TECHNICAL SKILLS & COLLABORATION

Applied AI: Agent workflows, MCP, tool calling, semantic retrieval, embeddings, LLM reranking, structured extraction and context selection.

Software & cloud: Python, TypeScript, REST APIs, React / React Native, MongoDB, Supabase / PostgreSQL, AWS CDK, Lambda, SQS and CloudWatch.

Technical collaboration: Architecture co-design, technical documentation, solution proposals, effort estimates, demos and presentations to technical teams.

EDUCATION, CERTIFICATION & LANGUAGES

Artificial Intelligence, master's program | Universidad Internacional de La Rioja

Bachelor's Degree in Software Engineering | Escuela Politécnica Nacional | 2021

AWS Certified Cloud Practitioner

Languages: Spanish - Native | English - B2