

Angel Gabriel Lopez Solano

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AI engineer with 3+ years of software development experience, focused on forward-deployed engineering, ontology-driven applications, and retrieval-augmented generation (RAG). I translate business requirements and domain knowledge into AI-powered products. My work spans LLM agents, real-time voice workflows, semantic search, and integrations with existing systems. I connect data modeling, application development, and infrastructure to bring AI into practical business workflows.

PROFESSIONAL EXPERIENCE

AI - Robotix

Cupertino, California, United States

Technical Lead Engineer

Feb 2026 - Present

- Lead SaaS development and product engineering
- Design and manage application infrastructure as code (IaC)
- Build with Next.js, React, and TanStack Start
- Develop an Ontology software project
- Conduct AI research and product management

Software Engineer

Nov 2025 - Feb 2026

- Build product features across the SaaS platform
- Ship UI with Next.js, React, and TanStack Start
- Model data structures backing core application flows
- Prototype rapidly with AI-assisted development

Dextra

Santo Domingo, Dominican Republic

Consultant developer

Oct 2023 - Apr 2025

- Development of business central applications
- Creation and maintenance of business solutions for clients
- Collaboration with the development team

Villacampa - School of Technology

Santo Domingo, Dominican Republic

Tech Professor

Jun 2021 - Present

- Taught programming and web development
- Created and maintained the school's website
- Collaborated with the school's development team

EDUCATION

Intituto Tecnologico de las Americas (ITLA)

Santo Domingo, Dominican Republic

Software Engineer - Bachelor

Jan 2021 - Apr 2024

Mescyt - English Immersion Program

Santo Domingo, Dominican Republic

Foreign languages - Certificate

Jan 2023 - Nov 2023

ADDITIONAL SKILLS

- LLM Engineering, RAG, Ontology Modeling, AI Agents, Voice AI, Forward Deployed Engineering, Prompt Engineering, Embeddings & Semantic Search, LLM Evaluation, TypeScript, Next.js, OpenAI, AI SDK, PostgreSQL, Docker, AWS
- English (advanced) · Spanish (native)

PROJECTS

github.com/ImRLopezAG

Receptionist (In progress)

An AI receptionist that answers and places calls for you. Run outbound campaigns, dial contact lists in batches, pick up incoming calls, and reply to customers on WhatsApp — with a realtime voice model holding the conversation instead of a phone menu.

Technologies: TanStack, React, Hono, Tailwind CSS, Convex, Redis, WorkOS, OpenAI, xAI, Twilio, Vercel

QAlitycs

Call center quality assurance platform that analyzes calls end to end — sentiment analysis, script adherence, and the surrounding call metrics teams need to score and coach agents on.

Technologies: TanStack, Convex, Redis, AI SDK, Tailwind CSS, Hono, WorkOS

Sync4ge (In progress)

ERP/CRM system designed to streamline business operations, enhance customer relationship management, and drive growth through integrated solutions.

Technologies: Next.js, Docker, NestJS, Redis, PostgreSQL, AWS, Cloudflare

LegalAi

LegalAi is an AI-powered legal assistant that helps users with legal research, document generation, and case analysis.

Technologies: TanStack, SQLite, Socket.IO, Hono, Upstash, Redis

Tech - hub

Tech - hub is a optimized website of ITLA that provides information about the scores of the students in real-time using their own api.

Technologies: Next.js, Tailwind CSS, Better Auth, shadcn/ui

RNC Contributors

RNC Contributors is an open-source api that allows users to view the contributors of `Registro Nacional de Contribuyentes` (RNC) in the Dominican Republic.

Technologies: Hono, SQLite, Redis, Upstash