

David Díaz Tunjano

LEAD AI SOFTWARE ENGINEER

Santiago, Chile
+56 9 6318 6163
david.diaz.tunjano@gmail.com
linkedin.com/in/daviddiaztunjano
daviddiaztunjano.com

PROFILE

Engineer with a background in consulting, startup founding and end-to-end digital product development. I currently lead AI engineering for public education guidance programmes in Colombia, Spain and Chile: conversational agents and the engine that runs them, from prototype to production.

EXPERIENCE

Mar 2025 – Present
Remote · LATAM and Spain

Python, TypeScript, LangGraph, React, PostgreSQL, GCP, AWS, Docker, Pulumi, n8n

Lead AI Software Engineer

ConsiliumBots / Tether Education

I lead AI engineering for public education guidance programmes. I design and build the conversational agents, the workflow engine that runs them and the infrastructure that keeps them in production.

MELO CREO / Siguierte Nivel — City of Medellín, Colombia

Post-secondary guidance platform for grade 9–11 students across 113 public schools. I built the four LangGraph agents that answer questions on degrees, costs, scholarships and admission odds, with Postgres checkpointing and streamed responses. I ran two WhatsApp campaigns of about 13,200 messages each on Kapso and Cloud Tasks.

Camí FP — Consorci d'Educació de Barcelona, Spain

Bilingual Spanish/Catalan guidance agent for 10th-grade students choosing between vocational training and the academic track. 75 nodes: a step-by-step comparator, a geolocated school finder on a map, an AI chat and an emailed summary. I onboarded the Spanish tenant reading the official school catalogue directly, and designed the GDPR informed-consent flow.

SLEP del Pino — Chile

WhatsApp school-enrolment agent wired into Chile's national school admission system, serving 100+ public schools and 35,000+ students. Part of an education innovation project with Columbia University and OpenAI.

Platform and infrastructure

I migrated the workflow engine from AWS to GCP (Firebase Hosting, Cloud Run, Cloud SQL, GCS) and made it schema-multi-tenant, so a single backend serves Colombia, Spain and the Dominican Republic.

Jan 2024 – May 2024
Santiago, Chile

Python, React, TypeScript, Node.js, SQL

Full Stack Software Engineer

MINECON — Ministerio de Economía de Chile

Analysed and processed data for the Sustainable Productive Development division. I designed and built a national web application showing the impact of more than 800 programme activities, with consolidated metrics and per-activity detail.

Aug 2022 – Dec 2023
Santiago, Chile
Python, React, Next.js,
TypeScript, Node.js, AWS
CDK, Docker

Full Stack Software Engineer

Inventures

Consultancy that designs, launches and scales digital businesses for its clients. I built process-optimisation products for the mining industry and for a pharmaceutical company's logistics operation.

For Minera Escondida I built an intelligent shift-handover truck allocation system that cut the idle rate by 1%.

Jan 2022 – Jul 2022
Santiago, Chile
React, Node.js, TypeScript,
SQL, Docker

CTO and co-founder

Brolly

I co-founded Brolly as CTO, a startup at the intersection of fintech and financial education: approachable financial education and better credit alternatives. We were selected by Platanus Ventures, the leading startup accelerator in Latin America.

Jan 2020 – Oct 2021
Santiago, Chile
Hardware, UV-C,
Operations, Fundraising

CEO and co-founder

LightWash

I co-founded and led LightWash, a pioneer in UV-C sanitising machines, with devices installed in 9 health centres in Santiago during the pandemic. I deferred my final year of engineering to lead CORFO funding, operations and investor relations, which earned us a scholarship to optimise production in Shenzhen.

EDUCATION

2015 – 2022

BSc/MSc Industrial Engineering, Computer Science Diploma

Pontificia Universidad Católica de Chile

2019 – 2022

Head teaching assistant — Innovation and Entrepreneurship

Pontificia Universidad Católica de Chile

2018

Vice-president of the Engineering Student Council

Pontificia Universidad Católica de Chile

AWARDS

2021

100 Young Leaders of Chile Award

Awarded by El Mercurio and Universidad Adolfo Ibáñez.

2021

UC School of Engineering Award

For LightWash's efforts against the pandemic.

SKILLS

Languages and AI

Python, TypeScript, SQL, LangGraph, OpenAI, Anthropic, RAG, Evals de prompts

Product and data

React, Next.js, Astro, Tailwind CSS, Node.js, FastAPI, PostgreSQL, MongoDB, Supabase

Infrastructure

GCP, AWS, Docker, Pulumi, AWS CDK, n8n, Figma

Languages

Spanish – Native, English – Professional