ENGINEERING LEADER · MOBILE, CLOUD & AI

Yabin Alejandro Lagunes Cuevas

I lead technology for a public institution and run my own product studio — teams, platforms and AI that reach production.



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Apps in production	Downloads	Years in technology	Published research
17	100K+	7	Springer
My own: iOS, Android and desktop	App Store and Google Play	Since 2019: banking, public sector, product	Co-author, 2025: AI phishing-fraud detection

Lead & govern

Head of a university technology directorate: two departments, vendors, budget, security and continuity.

Ship products

Architecture, cloud backends, releases and store compliance for 17 apps of my own.

AI-native delivery

I run delivery with AI agents on the team, through a multi-agent workspace I designed.

PROFILE

Technology leader and software engineer working since 2019 across product engineering, infrastructure and applied AI. I head the technology and communications directorate of a public university in Puebla, with two departments under it, and I run The Alchemist Code, my own studio: 17 apps in production and more than 100,000 downloads.

I lead close to the code: planning and estimation, code review, mentoring and documentation that survives handover. My applied AI has run where mistakes are expensive — anti-money-laundering ML at Bancolombia and a Springer-published study on phishing-fraud detection — and today AI agents are part of how my team ships.

STACK

PRODUCT	Flutter · Dart · Swift · Kotlin · Vue · React
PLATFORM	Python · FastAPI · Laravel · Google Cloud · Azure · Docker · CI/CD
AI	Machine learning · TensorFlow · LLM agents · MCP · Claude & OpenAI APIs
LANGUAGES	Spanish native · English C1 · Russian B2 · German basic

Experience

2019 — TODAY

UCIPS — University of Police Sciences, Puebla

2025 — today

Deputy Director, Social Communication & Technological Resources

Head of the university's technology and communications directorate, reporting to Strategic Planning, with two departments under it: Technology Innovation, and Outreach & Image.

- Lead the teams that run the university's systems, networks, servers, endpoints and digital services, **setting priorities across academic and administrative areas**.
- Direct the rollout and operation of SIGEDIN, the institutional document-management platform, and the institutional Moodle, integrated with the university's users and processes.
- Set **cybersecurity and business-continuity policies** and strengthen technology-risk and internal controls.
- Own vendors, budget and technology procurement, turning operational and academic needs into a delivery roadmap.

The Alchemist Code

Ongoing

Founder & Technology Lead · thealchemistcode.org

My own software and AI studio: **17 apps in production** (16 on the App Store and Google Play, 1 desktop) and **100,000+ downloads**. I own architecture, delivery, quality, security, releases, infrastructure cost and go-to-market, and bring in specialists when a project needs them.

- Backends in Python/FastAPI and Laravel on Google Cloud, with Stripe payments, CI/CD and **monitoring of uptime, errors and cost**.
- Release management on both stores: staged rollouts, store reviews and policy compliance.
- **AI agents in the delivery loop**: a coordinator assigns, reviews and merges work from Claude Code, Codex and Gemini CLI agents.

SHIPPED UNDER THE ALCHEMIST BRAND



Bancolombia

2019 — 2021

Machine Learning Proof-of-Concept Developer

Built a machine-learning proof of concept in Python to strengthen Modeva's detection of money laundering and terrorist financing.

- Took the model end to end, **from exploratory analysis and feature engineering to neural networks**, SVMs, decision trees and clustering.
- Partnered with Compliance, Risk and IT, and presented methodology, results and risks to the bank's management.

CONTINUES

Selected products

BUILT AND OPERATED BY ME



Soccer24

FLUTTER · IOS · ANDROID

Live football scores for 1,100+ competitions in 18 languages, with native widgets and Live Activities.

50K+ installs on Google Play



Komodo VPN

FLUTTER · OPENVPN

My own VPN servers in Estonia and Cyprus, a Laravel backend and hourly node monitoring.

10K+ installs on Google Play



Alchemist Coder

DESKTOP · OPEN SOURCE

A multi-agent workspace: Claude Code, Codex and Gemini CLI coordinated through MCP servers I built.

AGPL-3.0 coder.alekla.com

RESEARCH & WORK

Enhanced Cybersecurity: AI-Driven Phishing Fraud Detection
Co-author · LNNS, Springer Nature, 2025

AI-based DDoS detection with IoT devices
INAOE AI summer course, 2019 · graded 10/10

IRISA
Mexican Association of Suicidology · social service, 2021

CO_2 analytics dashboard
Sensor ingestion · Universidad Iberoamericana Puebla

EDUCATION

MSc, Software Engineering (Systems & Software, taught in English)
HSE University, Moscow · scholarship, 2022–2024 · thesis on AI phishing-fraud detection, graded Excellent

BEng, Computer Systems Engineering
Honours for academic excellence · GPA 9.55/10 · 1st place, Expo Ibero 2017 (prototype) · Universidad Iberoamericana Puebla, 2016–2021

Artificial Intelligence summer course
INAOE, 2019

Internal Control & Risk Management (PTCI, PTAR)
IAP Puebla, 2025 · elected member, UCIPS Ethics & Conflict-of-Interest Committee

Let's build what's next.

Open to engineering-leadership roles: remote from Mexico, or hybrid in Mexico City.

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