BEG

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AI PORTFOLIO · MEXICO CITY

Benjamín Esponda García

Mexican corporate lawyer who *builds* with AI.

Energy, hydrocarbons and mining · about 8 years of practice
Spanish (native), English (professional)

+ Claude Code plugins and agents
+ retrieval over legal text
+ n8n workflows
+ Python data pipelines
+ websites
+ video
+ AI agents for marketing

25+ projects in 2026, from cross-border regulatory audits to a legal-tech product	**374** energy-law instruments indexed for natural-language search	**11,112** chunks, split along the hierarchy of Mexican statutes
560,000+ public procurement contracts in a pipeline for oil and gas suppliers	**10,000+** browser actions automated from Claude Code	**1** product live: Con Criterio, on sale at concriterio.mx

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November 2026

I use AI every day; this portfolio is a sample, not a complete list. Client work is anonymized: names, figures and identifying details were removed. Nothing in this document is legal advice.

CONTENTS

What's *in this portfolio.*

01 · AT A GLANCE 01
02 · AI SKILLS MAP 02
03 · FEATURED: CON CRITERIO, AN AI TOOLKIT FOR MEXICAN LAWYERS 03
04 · FEATURED: RETRIEVAL ENGINE OVER MEXICAN ENERGY LAW (RAG) 04
05 · FEATURED: PUBLIC PROCUREMENT INTELLIGENCE FOR OIL AND GAS 04
06 · FEATURED: REAL-ESTATE CLOSING AUTOMATION IN N8N 05
07 · DAILY REGULATORY DIGEST FROM THE OFFICIAL GAZETTE (N8N) 06
08 · LEGAL AND REGULATORY WORK BUILT WITH AI 07
09 · WEBSITES, VIDEO AND DIGITAL MARKETING WITH AI 07
10 · CONNECTORS: HOW I AUTOMATE, QUERY AND GENERATE 09
11 · TOOLS AND SYSTEMS 10
12 · FEASIBILITY STUDIES 11
13 · LEARNING AND COMMUNITY 11
14 · HOW I WORK WITH AI 12
15 · STACK 12

01 · AT A GLANCE

Six numbers, *one judgment.*

- **AI every day:** I use it daily for legal work, products, automation and content, and I stay at the forefront of new tools and features. What follows is a sample; some projects are confidential and others haven't been released yet.
- **More than 25 projects in 2026**, from cross-border regulatory audits to a legal-tech product that is on sale.
- **One product live:** Con Criterio, a guide plus 7 plugins and 7 skills for Mexican lawyers, sold in Claude and ChatGPT editions at concriterio.mx since November 5, 2026.
- **Retrieval over legal text:** 374 energy-law instruments split into 11,112 chunks along the hierarchy of Mexican statutes, with hybrid search and a regression test set.
- **Data at scale:** a pipeline over more than 560,000 public procurement contracts to show oil and gas suppliers where the money goes.
- **Websites, video and marketing:** four sites live (concriterio.mx, pivotek.mx, casalegado.mx and carocomunicando.com), a stage-entrance video for a speaker, an automated Reels pipeline, and social media run by AI agents (Grok Bot and Meta's Muse).
- **Connected tools:** Stripe, Gmail, Google Calendar and Drive, Vercel, Higgsfield, Apify, Canva and browser automation, all driven from Claude Code.

- **Automation with judgment:** every workflow keeps a person in the loop where signatures, money or legal judgment are involved.

02 · AI SKILLS MAP

Twelve skills, *each with something built.*

SKILL	WHAT I HAVE BUILT WITH IT
AI agents and agentic workflows	Claude Code plugins, skills and subagents for seven areas of Mexican law (§3); a nine-role multi-agent system with typed handoffs (§11); social media run by Grok Bot and Meta's Muse (§9.4)
Retrieval over documents (RAG)	Legal RAG with law-specific embeddings, pgvector and hybrid ranking over 374 energy-law instruments (§4)
Data engineering	A pipeline over more than 560,000 public procurement contracts with weekly updates and audits (§5); financial models in Python and Excel (§12)
Workflow automation	n8n designs for a 20-step real-estate closing and a daily regulatory digest (§6, §7); scheduled tasks for monthly regulatory reviews and a weekly second-brain review (§3, §11)
AI for legal work	Cross-border regulatory audits, contract and compliance reviews, opinions and letters, every data point with source and cut-off date (§8)
Product building	Con Criterio, from content to payments, automated delivery and QA with simulated buyers (§3)
Web development	concriterio.mx, pivotek.mx, casalegado.mx and carocomunicando.com (§9.1)
AI video and content	A stage-entrance video with AI voice-over and motion graphics, and an automated Reels pipeline with local transcription and computer vision (§9.2, §9.3)
AI marketing	More than a dozen marketing and creative skills applied to real campaigns, SEO audits and ad copy (§9.5)
Integrations (MCP connectors)	Stripe, Gmail, Google Calendar and Drive, Vercel, Higgsfield, Apify, Canva and more than 10,000 browser actions (§10)
Judgment and quality	Human approval gates, anti-fraud rules, labeled uncertainty, golden test sets and reproducible builds (§14)
Continuous learning and community	Law degree (Ibero), Master's in Business Law (Anáhuac) and MBA (EAE Madrid); daily use of AI and of new tools as soon as they launch; free courses from Anthropic and Harvey; live and pre-recorded courses from tech influencers and digital schools; Claude and Grok Bot talks and workshops; networking dinners with CTOs (§13)

03 · FEATURED: CON CRITERIO, AN AI TOOLKIT FOR MEXICAN LAWYERS

Con Criterio: an AI toolkit for *Mexican lawyers.*

What it is. A practical AI toolkit for lawyers in Mexico: a guide (116 pages in the Claude edition, 134 in the ChatGPT edition), 7 plugins by practice area and 7 drafting skills. On sale at concriterio.mx since November 5, 2026. Since November 11 it also offers a beginners' guide to everyday AI for the general public.

PLUGIN	WHAT IT COVERS
Data protection	Federal data protection law: privacy notices, processor agreements, transfers, infringement risk, defense before the authority
Corporate	General Law of Commercial Companies: shareholder minutes, bylaws audits, powers of attorney, corporate due diligence, step-by-step restructurings
Trademarks	Industrial Property Law: registrability, oppositions, nullity and lapse, infringement, deadlines before the trademark office
Copyright	Federal Copyright Law: ownership opinions, transfer clauses, exceptions, notice and takedown, works made with AI
Commercial contracts	Commercial Code and negotiable instruments law: drafting and review, promissory notes, credit operations and trusts, interest and usury, collection routes
Energy	Mexico's 2025 energy laws: permit roadmaps, power and hydrocarbons projects, sanctions, a 2014 versus 2025 comparison
Notarial practice (Mexico City)	Notarial and registry law: deed requirements, wills and advance directives, probate before a notary

Drafting skills: residential lease (Mexico City), mutual NDA, commercial agency, professional services, letter of intent, simple power of attorney and a severance calculator.

How it was built.

- Each plugin is a set of Claude Code skills grounded on a curated corpus of statutes and verified court criteria, with one citation format, data labels and a validation block that runs before any answer is delivered.
- The Claude edition guide carries 115 verified claims and 46 screenshots. The ChatGPT edition was ported with install steps for Windows.
- A Python monitor reads the Official Gazette (DOF) through the government's open-data web service and flags anything that touches the statutes the product covers. A scheduled task runs a regulatory review on the 1st of every month.
- Sales and delivery: sales page, Stripe payment links and webhook, and a Cloudflare Worker that delivers the files and runs the newsletter (101 automated tests passing).
- Its own legal layer: terms and conditions, privacy notice and license of use.
- QA like a buyer: a simulated round with 20 buyers produced 118 distinct findings and zero blockers; 114 of the 115 open findings were closed the same day.
- Marketing: content produced with Claude Code and published by AI agents (§9.4), SEO audit, two Google Ads campaigns prepared and the Meta Pixel connected to the payment flow.

04 · FEATURED: RETRIEVAL ENGINE OVER MEXICAN ENERGY LAW (RAG)

A retrieval engine over *Mexican energy law.*

Problem. Mexico's energy rules are scattered across the Official Gazette and the websites of eight energy authorities, and the 2025 reform replaced much of the framework. Finding the instrument that actually applies, and knowing whether it still applies, takes hours.

What I built. A pipeline that collects, structures and indexes Mexican energy legislation so it can be queried in natural language.

STAGE	HOW IT WORKS
Collection	Async scrapers over the Official Gazette and regulators' sites, with polite delays
Extraction	Text from PDFs with an OCR fallback for scanned documents
Chunking	Splits text along the hierarchy of Mexican legal instruments (title, chapter, article) instead of fixed sizes
Storage	PostgreSQL with pgvector: documents and chunks, validity flags and a validity note for rules that are formally in force but suspended in practice
Embeddings	Voyage AI `voyage-law-2`, built for legal text
Search	Hybrid ranking (vector similarity plus keyword, merged with reciprocal rank fusion), synonyms, statute detection and boosts
Answers	Claude answers natural-language questions over the retrieved chunks
Quality	A golden test set used as a regression guardrail (9 of 9 passing) and database audits for duplicates, validity and publication dates

Scale (April 2026). 374 documents and 11,112 chunks, all embedded: 352 in force and 22 repealed, from the Energy Regulatory Commission, the Energy Ministry, the grid operator, the hydrocarbons and gas regulators, the safety agency and Congress. No LangChain or LlamaIndex: plain Python and SQL.

05 · FEATURED: PUBLIC PROCUREMENT INTELLIGENCE FOR OIL AND GAS

SupplySense: where the money goes *in oil and gas.*

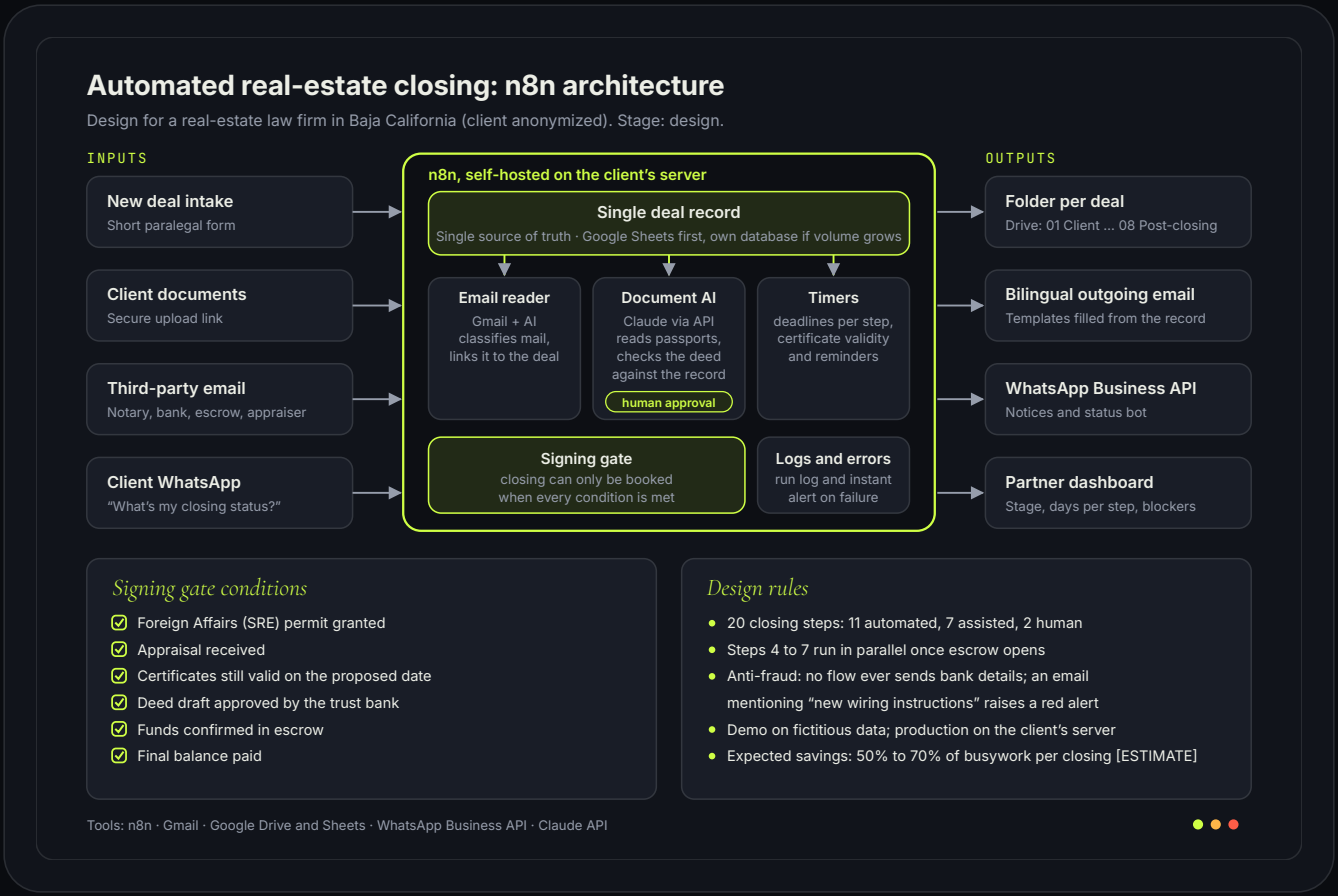
Problem. Suppliers to the oil and gas sector in Mexico bid blind: they don't know who buys what they sell, at what price, or when.

What I built. SupplySense, a price-intelligence tool built on public procurement data.

- Loaded more than 560,000 contracts from CompraNet (2023 to 2025) across 26 categories, plus 150,000 recent contracts from ComprasMX collected with Playwright.
- Weekly automatic download with deduplication; data enrichment with geography and level of government; per-subsidiary links for the national oil company.
- Dashboard with KPIs, watchlists, "my line of business" filters, global search, and CSV and PDF export; basic multi-tenancy per client.
- Data audits that caught and fixed misclassified categories and outliers, and a market sizing (TAM) analysis.

06 · FEATURED: REAL-ESTATE CLOSING AUTOMATION IN N8N

A 20-step real-estate closing, *automated with a hand on the brake.*



Architecture of the automated real-estate closing in n8n

Problem. A real-estate law firm in Baja California closes property purchases by foreign buyers through Mexican bank trusts. Each closing has 20 steps and depends on a notary, a trust bank, an appraiser, an escrow agent and the public registry. Most of the lawyers' time goes to chasing documents and answering "what's the status of my closing?".

Design.

- One deal record feeds every email, document and notice.
- 11 of the 20 steps can run almost on their own, 7 are assisted, and 2 stay human: the legal review of the deed draft and the signing before the notary.
- Steps 4 to 7 (foreign-affairs permit, deed draft, appraisal and certificates) start in parallel the moment escrow opens, which could cut 7 to 10 days per closing [ESTIMATE].
- Document AI reads passports and certificates and compares the deed draft against the record, always with human approval.
- A signing gate blocks booking the closing until six conditions are met, including certificates that are still valid on the proposed date, not just today.
- Anti-fraud: no workflow ever sends bank details, and any incoming email about new wiring instructions raises a red alert and requires a phone call.

- Client data never lives on my infrastructure: the demo runs on fictitious data and production goes on the firm's own server.

COMPONENT	WHAT IT IS	TOOL
Single deal record	One row per deal with buyers, unit, bank, notary, escrow, dates per step, validity periods and status	Google Sheets first; own database if volume grows
Folder per deal	Fixed structure created automatically: 01 Client to 08 Post-closing	Google Drive
Outgoing email	Bilingual templates for client, notary, bank, appraiser, HOA and escrow, filled from the record	Gmail
Incoming email reader	Classifies third-party emails, links them to the deal, files attachments and moves the status	Gmail and AI
WhatsApp	Notices, reminders and a bot that answers "what's my status?" from the record	WhatsApp Business API
Document AI	Reads passports and certificates, compares the deed draft, summarizes calls and bank comments	Claude API, with human approval
Timers and gates	Deadlines per step, certificate validity and the signing gate	n8n
Partner dashboard	Deals by stage, days per step, who is blocking, alerts	Google Sheets or Looker Studio
Logs and errors	Record of every run and an instant alert if a flow fails	n8n

Status. Design stage (November 2026). Proposal delivered; decisions kept in a decision register; rollout planned in 4 phases over 10 to 13 weeks [ESTIMATE], starting with a pilot on one development. Expected savings: 50% to 70% of busywork hours per closing [ESTIMATE], to be measured in the diagnosis.

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07 · DAILY REGULATORY DIGEST FROM THE OFFICIAL GAZETTE (N8N)

The energy news in the Official Gazette (DOF), *in my inbox at 8:30.*

Problem. Every morning I reviewed the Official Gazette by hand for anything affecting my energy clients: about 30 minutes a day [ESTIMATE].

```
Schedule (Mon to Fri, 8:30) → HTTP Request (today's index) → HTML (title, agency, link)
  → Filter (energy keywords and agencies) → Aggregate → LLM (one line + priority) → Gmail
```

Result. One email a day with the energy publications sorted by priority, about 100 hours a year saved [ESTIMATE]. The workflow tells me what to read; reading it is still my job. Built as the first deliverable of an n8n automation course, with a documented prompt and an error-handling plan.

08 · LEGAL AND REGULATORY WORK BUILT WITH AI

Legal matters built with AI. *All confidential.*

For confidentiality, I don't detail each matter or its clients.

- **What kind of matters.** Market entry routes, obligation maps for energy contracts, permit due diligence, health and advertising compliance reviews, trademark opinions, institutional letters and technical notes. For energy contractors, fuel traders, consumer goods companies, law firms and government agencies, in Mexico and abroad.
- **How I use AI.** I work with Claude and Claude Code on a corpus of official sources, downloaded and converted to plain text for verbatim cross-checking; every data point carries a citation and a cut-off date. I extract contracts in structured form into a context file (obligations, deadlines, alerts), reuse regulatory frameworks across files and write drafting rules as verifiable constraints. Where it applies, I use my own plugins with the current text of the law. Deliverables (Word, PDF and HTML) come out of generator scripts, with a traffic light per section. This is only an example, not everything I do with AI. The analysis and the judgment are mine.

09 · WEBSITES, VIDEO AND DIGITAL MARKETING WITH AI

Four sites live, *video and agents that publish.*

9.1 Websites

SITE	WHAT IT IS	HOW IT WAS BUILT
concriterio.mx	Sales site of Con Criterio: a page for lawyers and /para-todos for beginners, with a build-your-purchase panel	Pages and legal texts (terms, privacy notice, license) generated with Python scripts; Stripe payment links and a Cloudflare Worker for checkout and delivery; Cloudflare Pages, DNS and Web Analytics; Meta Pixel and two Google Ads search campaigns set up
pivotek.mx	Home of this portfolio. It replaced the previous Next.js site of PIVOTEK, my personal brand and consultancy, which I also built (TypeScript, contact form with Resend, technical SEO)	Designed and built by Fable 5.2 (Claude) from the plain text of this README, under my direction: ink and traffic-light palette, 20 sections with their own scroll animations (word-by-word reveals, stacking cards, a 20-step closing that flips block by block, BeCa's states), GSAP, ScrollTrigger and Lenis self-hosted under a strict content security policy; deployed on Vercel
casalegado.mx	My biographical documentary brand: five-page site plus brandbook, sales dossier and sales presentation	Static HTML and CSS under a strict brand system (two typefaces, a warm palette and voice rules), illustrative images generated with Higgsfield, privacy notice, sitemap, Google Business Profile copy, Google Ads tags and a content security policy, deployed on Vercel
carocomunicando.com	Site of a public-speaking and communication trainer: home with an animated cover, her method, her TEDx talk, cases and brand pages	Static site with self-hosted GSAP, ScrollTrigger and Lenis; a downloadable PDF guide with optional email capture; GA4, Microsoft Clarity and Vercel Analytics declared in the privacy notice and cookie banner; 301 redirects, security headers and a content security policy; SEO audit and blog articles

9.2 Speaker intro and event videos

- **Stage-entrance intro (102 seconds)** for the trainer, projected before she walks on stage. Five versions; the current one combines motion graphics built in Remotion, an AI voice-over (ElevenLabs v4 through Higgsfield), original music and sound effects, and her photos. It comes with a waiting loop for the screen and three short Instagram Reels cut from the same material. Every version can be rebuilt from scripts (Python, Node and ffmpeg).
- **Event highlight (40 seconds)** of her role as host and moderator of a university entrepreneurship summit: 9:16 for Reels, TikTok and LinkedIn and 16:9 for YouTube, with original music timed to the moment the stage lights come on.
- **Book launch loop:** an animated screen for the presentation of her book, with quotes that rotate every 10 seconds and verified QR codes to her Instagram and website.

9.3 Automated Reels pipeline

Drop a raw video in Downloads and get a finished Reel:

01 **Transcription** word by word, locally, with Whisper.
02 **Style rules** learned from a reference creator: four Reels analyzed frame by frame, with cut-rate measurements (a hard cut to B-roll every 5 to 9 seconds, title pills, a closing question).
03 **Supporting visuals:** licensed real photos from Wikimedia Commons and Openverse, with credits, or B-roll generated with Higgsfield.
04 **Subject cut-out and face tracking** with Apple's Vision framework (Swift).
05 **Automatic edit** in Python: format, subtitles, pills, cards, photo credits and the speaker's frame; a history file avoids repeating formats.

Six Reels ready to publish in November 2026, a monthly set of scripts, and a technical guide to publish through the Instagram Graph API with n8n.

9.4 Social media run by AI agents

For Con Criterio, the work is split between Claude Code and two external agents:

WHO	WHAT IT DOES
Claude Code	Produces the content and the publishing calendar, writes the prompts for the agents and the checklists to verify their work
Grok Bot (an agent that operates my Mac)	Publishes two TikTok Reels a day and handles Instagram prospecting and direct messages; if the Mac is asleep or asks for a code, it stops and warns
Muse (Meta's AI marketing agent)	Publishes three posts a day on Instagram and Facebook, runs the campaigns and continues the conversation when a prospect answers

The labeling of AI-generated content was reviewed with Muse, and verification prompts audit what each agent actually did.

9.5 Marketing skills and how I applied them

SKILL	WHAT IT DOES	WHERE I APPLIED IT
humanizalo-es	Removes the tells of AI writing in Spanish and keeps a human or brand voice	Copy for carocomunicando.com and its Reels, Con Criterio pages and posts, course deliverables
social-content	Social posts, calendars and short-video scripts	Reels scripts and calendar for the trainer; Con Criterio's social strategy

SKILL	WHAT IT DOES	WHERE I APPLIED IT
content-strategy	What to publish and why: pillars, topics and calendar	Con Criterio's content strategy for Instagram, Facebook and TikTok
copywriting	Page and offer copy	Business plans and the trainer's site
marketing-psychology	Behavioral principles such as anchoring, social proof and framing	The trainer's offer and pages; business plans
pricing-strategy	Packaging and price	Pricing in business plans and the trainer's proposals
ad-creative	Ad headlines and copy at scale, within each platform's limits	Ad variations for the trainer's campaigns
campaign-plan	Campaign brief: goals, audience, channels, calendar and metrics	Traffic and contacts plan for the trainer (November 2026)
seo-audit	SEO audit with quick wins and strategic actions	Audits of carocomunicando.com and concriterio.mx
Higgsfield skills (generate, art director, brand kit, video explainer)	Images, video, voice-over and music	Speaker intro, B-roll and book loop; Casa Legado images; Con Criterio explainer pieces
frontend-design and emil-design-eng	Interface design and motion polish	Con Criterio's sales page
apify-lead-gen	Lead lists from public sources	Prospect base for a website service in Los Cabos
abogado-el-diablo	Stress-tests a plan before acting	Con Criterio's launch strategy

10 · CONNECTORS: HOW I AUTOMATE, QUERY AND GENERATE

Claude Code reaches my tools: *I automate, query and generate.*

Claude Code reaches my tools through connectors (MCP). Counts come from my own session logs.

USE	CONNECTOR	WHAT I DO WITH IT
Automate	Claude in Chrome and the built-in browser (more than 10,000 actions)	Operate web dashboards, test my sites end to end, upload files and check what is live
Automate	Computer use (more than 900 actions)	Drive native Mac apps when there is no API
Automate	Stripe (about 800 calls)	Products, prices, payment links and webhooks for Con Criterio
Automate	Gmail, Google Calendar and Google Drive	Weekly review of calendar and inbox, drafts and follow-ups, file search
Automate	Scheduled tasks	Weekly second-brain review, monthly regulatory review, follow-ups on campaign setup
Automate	Vercel	Projects, domains and web analytics of my sites
Query	Apify	Web scraping, lead lists and web browsing for research

USE	CONNECTOR	WHAT I DO WITH IT
Query	Wispr Flow	Search across my meeting notes
Generate	Higgsfield (more than 1,000 calls)	Images, video, voice-over and music for sites, Reels and the speaker intro
Generate	Canva	Designs from brand kits
Generate	Claude artifacts	Shareable pages

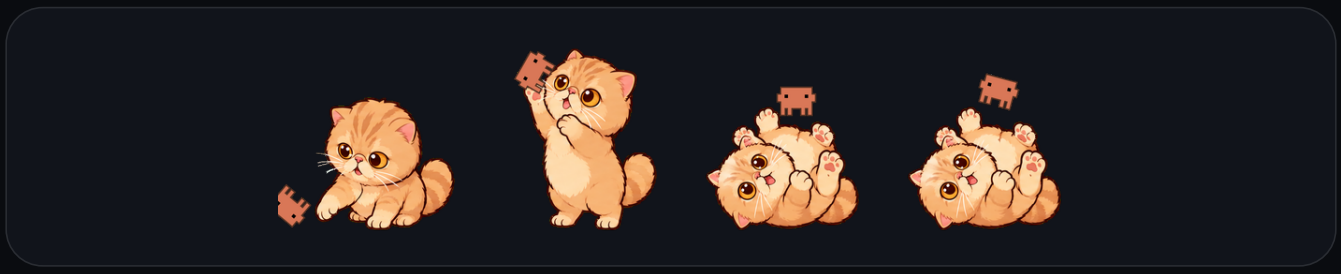
Plus two external agents (Grok Bot and Muse, §9.4) and local command-line tools: Obsidian, GitHub, Whisper and ffmpeg.

11 · TOOLS AND SYSTEMS

Systems that *work while I work.*

- **Second brain on Obsidian and Claude Code.** One note per project, person and official document; every working session leaves a log entry; a scheduled task reads my calendar and email every Sunday (read-only) and updates the vault; hourly backup with launchd. This portfolio was assembled from it.
- **Personal multi-agent system.** Nine specialist roles read one shared record, pass typed signals instead of prose and follow a declared precedence rule when they disagree. Personal use; no data shown.
- **My own internal CRMs.** Built on the architecture of auto-crm, an open-source local CRM with Next.js, SQLite and Claude Code that adapts to each business.

BeCa, my desktop companion



BeCa playing with Clawd, the Claude Code mascot

BeCa is my cat turned into a sticker-style companion that lives in a small floating window on my Mac. It listens to Claude Code's lifecycle hooks, so I can tell at a glance what Claude is doing without looking at the terminal. Click it once and it waves; click again and it plays with Clawd, Claude Code's mascot, for about four seconds. It runs locally, uses no network and stores no content. Why BeCa? To bring a sense of humor to my day-to-day work with AI.

WHAT CLAUDE CODE IS DOING	HOOK	WHAT BECA DOES
Starting a session	SessionStart	Waves twice, then rests
Working on a request or running a tool	UserPromptSubmit, PreToolUse, PostToolUse	Types in the air
Editing or writing a file	PostToolUse of Edit or Write	Inspects the work, paw on chin
Finished its turn	Stop	Jumps four times and waves

WHAT CLAUDE CODE IS DOING	HOOK	WHAT BECA DOES
Waiting for my permission or answer	PermissionRequest, Notification	Asks with its paws together
Hit an API error	StopFailure	Deflates once
Session closed	SessionEnd	Rests

How it was built: a native macOS app in Swift, made with Claude Code; the art was generated with Higgsfield from three photos of my cat and cut into animation strips with Python scripts; the sounds were extracted from AI-generated video clips; the hooks are global, so BeCa works in every project.

12 · FEASIBILITY STUDIES

Every study, with a verdict and *traffic lights by phase.*

Own ventures and services of PIVOTEK, my consultancy, each with a go or no-go verdict and traffic lights by phase. Thanks to artificial intelligence tools and our own custom skills, we have produced many business plans, all with conclusions I have validated personally.

13 · LEARNING AND COMMUNITY

At the forefront: *new tools get tested on real work.*

Academic background

DEGREE	SCHOOL	YEARS
Master's in Business Law (Maestría en Derecho de la Empresa), corporate law	Universidad Anáhuac	2023 to 2025
Master of Business Administration (MBA), business administration	EAE Business School, Madrid, Spain	2023 to 2024
Law degree (Licenciatura en Derecho)	Universidad Iberoamericana, Mexico City	2015 to 2020

Courses and community

I use AI every day and I stay at the forefront of new AI tools and features: I test them on real work as soon as they come out.

- **Anthropic's free online courses** (Anthropic Academy).
- **Harvey's free online courses** on AI for legal work.
- **Live and pre-recorded courses** from the community of tech influencers such as Juan Lombana and Enrique Rocha, and from digital schools such as Coderhouse and OrangutanAI.
- **Claude talks and workshops in Mexico**, such as Claude for AI Engineering (Claude Community CDMX, October 2026), Claude for Legal, Claude for Finance, Claude Community House, Claude for Revenue, Claude for Games, Claude at the Chamber of Deputies and Claude at the Mexican Senate, among others. At Claude for

AI Engineering I summarized the five talks (tool use, MCP, context engineering) and turned the notes into an agent that answers as each speaker would.
- **Grok Bot talks and workshops.**
- **Networking dinners with CTOs** of large and mid-size companies.
- **n8n automation course** (in progress): the daily regulatory digest in §7 was the first deliverable.

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14 · HOW I WORK WITH AI

Seven rules, *none of them negotiable.*

01 **Sources first.** Official texts are downloaded into the project, and each data point carries its source and cut-off date.
02 **Uncertainty is labeled.** Every deliverable marks [ESTIMATE], [ASSUMPTION] and [DATA GAP].
03 **People approve what matters.** Signatures, money and legal judgment always go through a person.
04 **Reproducible deliverables.** Markdown first, then PDF with pandoc and Typst; generator scripts rebuild the final files. This portfolio is built the same way (`build/`).
05 **Decisions are logged.** Decision registers and GREEN, YELLOW and RED status lights.
06 **Test like a user.** Simulated buyers, golden test sets, automated tests and checks against the live site.
07 **Validation is explicit.** Studies state what must be confirmed with the competent authority and are not legal advice.

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15 · STACK

The tools *I build with.*

- **AI:** Claude Code (skills, plugins, subagents, MCP connectors, hooks, scheduled tasks), Claude API, Voyage AI embeddings, ChatGPT and Codex, Higgsfield (image, video, voice and music), Grok Bot and Meta's Muse.
- **Data:** Python, PostgreSQL with pgvector, Playwright, pdfplumber and OCR, Excel.
- **Automation:** n8n, Docker, launchd and scheduled tasks.
- **Video:** Remotion, ffmpeg, Whisper, Apple Vision (Swift).
- **Web:** Next.js, TypeScript, static HTML and CSS, GSAP, Cloudflare Workers, Vercel, Stripe, Resend, Web3Forms.
- **Marketing and analytics:** GA4, Microsoft Clarity, Vercel Analytics, Google Ads, Meta Pixel, Google Search Console.
- **Documents:** Markdown, pandoc, Typst, Word with tracked changes.
- **Knowledge:** Obsidian.