

# CHRIS TECENO

Forward-Deployed AI Engineer | Agent Systems & Automation

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## PROFILE

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AI engineer who embeds with the business, learns the workflow firsthand, and ships the system that replaces the manual version. At MomentScience I own the AI and automation stack end to end: an agent pipeline that turns tasks into reviewed pull requests, 50+ branded prototype sites built to move sales conversations, a ClickHouse analytics platform with a 40-model forecasting bench, and the production API behind a consumer rewards product, on Claude in the cloud and Gemma running locally. Registered Nurse and Air Force veteran, so I have already done real work inside regulated, high-stakes environments where the audit trail matters as much as the output.

## TECHNICAL SKILLS

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**Models & Runtimes:** Claude (API, Agent SDK, headless Claude Code), Google Gemma 4 served locally on Apple Silicon (omlx/MLX), Nous Hermes Agent, Google Antigravity, Ollama, OpenAI-compatible endpoints; provider failover, local-vs-cloud model benchmarking, structured-output validation.

**Agent Systems:** Multi-agent orchestration, MCP servers, human-in-the-loop approval gates, prompt and eval design, LLM triage and classification, persistent agent memory (Qdrant, Ollama embeddings).

**Data & Forecasting:** ClickHouse, Postgres, Prisma, PySpark and Databricks, production SQL, time series (Prophet, SARIMA/ETS, Amazon Chronos, Google TimesFM), walk-forward evaluation, revenue attribution and reconciliation.

**Engineering:** Node.js and TypeScript, Python, React, Express and AdonisJS, Docker, Render, Cloudflare, Hetzner, GitHub Actions, Playwright, Slack Bolt, OAuth, Notion and HubSpot APIs.

**Domain:** Regulated healthcare (RN, HIPAA/FDA documentation), ad-tech attribution and partner postbacks, loyalty and payments integrations (Paytronix).

## PROFESSIONAL EXPERIENCE

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**AI Engineer** | MomentScience (PerksWallet) | Remote

2026 – Present

*Sole AI and automation engineer at an ad-tech and rewards company; work directly with the founders, sales, and integration partners.*

- **Agent pipeline:** Designed and shipped a headless-Claude pipeline that turns curated Notion tasks into reviewed draft PRs: intake, research, human gate, build, verify, publish, human gate, release. Deterministic checks sit between every agent phase, and a classifier routes each task to build, investigate, spec, or human work. A dashboard is the decision surface; Slack is notify-only.
- **Deal-unblocking prototypes:** Built 50+ live, branded demo sites (7-Eleven, Cars.com, AT&T, Eventbrite, Ziosk kiosks, and others) with the MomentScience SDK wired in, so prospects see their own product with our offers inside it. Provisioning on Render and Cloudflare is a one-command skill; 1,400+ commits since April 2026.
- **Partner integration, end to end:** Delivered the TXB to Paytronix loyalty integration: a Node broker that holds every secret and brokers offers, age checks, and point awards between the TXB app, MomentScience, and Paytronix, carried through the partner's certification rounds.
- **Analytics and forecasting:** Built analytics.mosci.ai (Node, ClickHouse, Google OAuth): publisher and advertiser KPIs, budget pacing, estimated profit, and hour-by-hour deltas with end-of-day projections. A companion Python bench evaluates about 40 models (naive, day-of-week, SARIMA/ETS, a Prophet grid, Chronos, TimesFM) with walk-forward CV across EOD, EOM, EOQ, and EOY horizons; a per-horizon-winner ensemble drives the forward projection.
- **Production rewards API:** Own the games.perkswallet.com backend (Node/AdonisJS, Postgres): partner postback ingestion (AdGem/AdAction, Besitos, Revenue Universe), the attribution chain, an A/B test harness, Loops email lifecycle, RudderStack and PostHog telemetry, and automated flight and reconciliation reports to partners. 285 commits.

- **Local model stack:** Run a self-hosted inference tier on a 128 GB Apple Silicon workstation (omlx/MLX) serving Google Gemma 4 26B MoE, with Ollama as failover. Benchmarked the 4-bit, 8-bit, and 31B-dense builds against live production prompts on tokens/s, F1, and JSON-schema compliance, and picked the build that held the schema at the 150-item production ceiling. The daily ops triage runs on it at zero inference cost. Evaluated Nous Hermes Agent as the local agent brain under a Paperclip orchestrator; use Google Antigravity alongside Claude Code day to day.
- **Agent operations tooling:** Claude Agent SDK Slack bot on a Hetzner VPS; a daily-brief dashboard that LLM-triages Gmail, Slack, Notion, and Dart into one ranked action list, with background gatherers so a dead source never blocks the page; 47 reusable Claude Code skills, 15 specialist agents, and 400+ persistent memories synced into a Qdrant-backed store.

#### AI & Data Engineering Contractor | Remote

2023 – 2026

- **Full-stack ownership (Boca.mx):** Architected and deployed a multi-tenant cloud POS platform (React, Node.js, MySQL) with automated analytics and CI/CD, serving live restaurant clients at 99.9% uptime.
- **Clinical data models:** Designed AI-driven extraction pipelines for healthcare clients, moving unstructured EHR text into production-ready datasets.

#### Data Scientist | Radion Health

2022 – 2023

- Engineered production SQL pipelines in Snowflake to ingest and normalize EHR/EMR exports, pharmacy claims, and clinical reports.
- Converted ambiguous patient history into measurable data points for predictive risk modeling; cut manual QA friction with automated data-flow monitoring.

#### Trauma & Emergency Nurse | Travel Nursing: Matrix Providers, Tailored Healthcare, Methodist

2015 – 2021

- Delivered emergency care across five facilities, including Tripler Army Medical Center (Level II trauma), a 56-bed urban ED, and Indian Health Services on the CRST Reservation, through the COVID surge; triaged and managed patients of every acuity on multidisciplinary teams.
- Authored and audited high-fidelity clinical documentation at 100% medical-legal compliance: the ground truth I later trained and validated models against.

#### United States Air Force | Aerospace Medical Technician; Munitions Systems

2009 – 2016

- Trained 7,000+ personnel and certified 2,000+ in First Aid, CPR, and AED; developed 20+ instructors across multiple duty stations.
- Supervised production, storage, and transport of \$1B+ in sensitive military assets across three continents; maintained safety protocols for nuclear weapons and fighter aircraft operations. Held a SECRET clearance.

### SELECTED INDEPENDENT AI PROJECTS

#### Multimodal Clinical Intelligence Pipeline (*Clinical NLP, LLM-Ops*)

- PySpark on Databricks ingesting 5,000+ clinical documents (MTSamples, MIMIC-CXR); Claude extraction prompts for ICD-10 coding, medication extraction, and note summarization to structured JSON.
- Paired a chest X-ray vision model with radiology report findings; Streamlit human-in-the-loop review feeding prompt refinement; precision/recall against ground truth with FDA/HIPAA-aware model cards.

#### Multi-Agent Orchestration Framework (*Claude Code, Hermes Agent, local Gemma*)

- 10-agent system with role-based delegation (orchestrator, coder, reviewer, planner), binary eval suites with single-file mutation to optimize agent prompts, and persistent cross-session memory. Model-agnostic: the same harness drove Claude and a locally served Gemma 4 through Hermes Agent. Now the basis of the production pipeline above.

### CERTIFICATIONS & EDUCATION

Registered Nurse, TX (2018) · ACLS · PALS · TNCC · NIHSS · Data Science Certificate, Codeup (2022) · Data Science Foundations with R, Johns Hopkins · Lean Six Sigma

**A.A.S., Nursing (ADN/RN)**, San Antonio College (2018) · **A.A.S., Munitions Systems Technology**, Community College of the Air Force (2010)