

Tomas Vallejo Mora

Colombia · vallejo.mora.tomas@gmail.com · (+57) 304 461 5436 · linkedin.com/in/tomas-bi · portfolio.alquim-ia.cloud

SUMMARY

AI Product Builder and Agentic Software Engineer on a foundation of 10+ years in Data, Analytics and BI. Founder of Alquim-IA, shipping production agentic systems — RAG pipelines, multi-tenant operational platforms and automated intelligence products — with evidence-first engineering: automated testing, row-level security and explicit system boundaries. Prior track record leading a 9-person analytics team, orchestrating 65+ analytics projects (NLP, ML, ETL, MLOps, RPA) and contributing to a 35% revenue increase at a startup. Hands-on across Python, SQL, FastAPI, LLM integration, Power BI, Tableau and cloud operations.

EXPERIENCE

Founder · AI Product Builder

2026 – Present · Bogotá (Remote)

Alquim-IA — portfolio.alquim-ia.cloud

- Founded Alquim-IA and shipped nine AI/data products end to end; operate 37 containers across production and staging on Oracle Cloud.
- **EIA OS** — multi-tenant workflow platform (Next.js, PostgreSQL with RLS): 201/201 unit + integration tests, 22 forced-RLS tables, 56 migrations, P95 create/recalculate of 2,165 ms across 30 stress quotations.
- **PPH Bot** — WhatsApp operations platform (Meta WhatsApp API, FastAPI OCR, Redis/BullMQ, RBAC): 19 properties and 984 units configured; receipt OCR, transcription and human escalation.
- **AuditorIA** — regulatory RAG pilot: 2,767 indexed items over 16 standards, BGE-M3 multilingual embeddings, verified public health and search endpoints.
- **Alquim Ads** — Meta Ads intelligence platform: executive KPI layer, deterministic rules engine and LLM-assisted synthesis, with a public demo and readiness monitoring.

Senior Data Analyst

Mar 2024 – Present · Remote

Assertia — Undisclosed US-based Client (Compliance/NDA)

- Built 60+ ETL processes using Python, SQL and KNIME.
- Developed 35 Power BI dashboards deployed across 3 monitoring centers, used daily by 120+ users.
- Uncovered a gap in the customer service system and proposed a new First Call Resolution (FCR) metric, directly influencing performance measurement for 300+ customer service employees.

Senior Data Analyst

Apr 2024 – May 2025 · Remote

EPAM

- Automated data validation for ETL pipelines (Python, SQL), cutting error rates by 25% and accelerating data availability by 30%.
- Engineered interactive Tableau/Power BI dashboards for 20+ stakeholders, reducing manual reporting time by 35% within a quarter.
- Consolidated cross-functional datasets from five business units, reducing aggregation time by 40%.
- Led a Tableau app-like dashboard PoC that secured client buy-in and converted into a revenue-generating project.

Data Analytics Category Manager

Aug 2023 – Feb 2024 · Colombia

P&G

- Implemented a canonical data model for sales data consolidation: +20% data accuracy and reporting efficiency.
- Reduced data consumption costs by 15% through optimization programs.
- Built an advanced visualization tool now standard in CatMan reports.

Senior Business Intelligence Consultant

Mar 2023 – Aug 2023 · Colombia (Remote)

Adaviv

- Delivered BI tools and a treatment simulator driving 15% labor cost savings; cornerstone of the business model.
- Automated 40% of Customer Success tasks, improving strategic planning and operational efficiency.

Business Intelligence Director

Sep 2020 – Feb 2023 · Medellín

TalentPitch

- Led a team of 9 data professionals, contributing to a 35% revenue increase and making data-driven decision-making a company foundation.
- Orchestrated 65+ analytics projects using NLP, deep learning, ML, ETL, BI/BA, MLOps, RPA and custom algorithms.
- Supervised data infrastructure projects via microservices: +50% data efficiency, –USD 6,000 infrastructure cost.

Marketing Analytics Director

Sep 2019 – Sep 2020 · Medellín

Multisponsor S.A — subsidiary of DDB Colombia

- Built and scaled the analytics team (+60% in 3 months); managed 25+ projects for MasterCard, Renault and British American Tobacco.
- Implemented loyalty and campaign optimization models: +20% customer engagement and USD 1.5M additional revenue on a USD 35,000 budget.

Data Analyst

Dec 2015 – Sep 2019 · Medellín

Multisponsor S.A — subsidiary of DDB Colombia

- Deployed interactive control dashboards for Terpel, Bancolombia, AvVillas and EPM.
- Designed marketing analytics models (RFM, clustering, CLV, classification): +50% customer engagement in loyalty programs.

PROJECTS

Co-founder · Senior Market Data Analyst

SetFire

- Co-founded a BI consulting firm serving three major companies; launched a Monitoring Center (Power BI) for Colombia's third-largest cinema chain: –5% operational costs.
- Built the analytical foundation of the second-largest loyalty program in the Colombian cinema industry: +32% engagement, +40% retention.

Selected 2026 AI work — EIA OS, PPH Bot, AuditorIA, Alquim Ads, IA Daily and the Graph Engineering 101 interactive course — is documented with architecture, testing evidence and explicit boundaries at portfolio.alquim-ia.cloud.

EDUCATION

Master's degree in Analytics

In Progress

Universidad Nacional de Colombia · Medellín

Specialization in Analytics (GPA 3.7)

2018

Universidad Nacional de Colombia · Medellín

Bachelor of Science in Biology (GPA 3.7)

2013

Universidad CES · Medellín

SKILLS

- **Agentic AI & RAG:** agent orchestration, document retrieval, embeddings (BGE-M3), multi-agent workflows, LLM integration and evaluation.
- **Backend & APIs:** Python, FastAPI, webhooks, queues (Redis/BullMQ), workers, PostgreSQL, REST API design.
- **Data & BI:** SQL, ETL (60+ processes), semantic modeling, KPI design, Power BI, Tableau, KNIME, Excel.
- **Cloud & Operations:** Oracle Cloud (37 containers), Cloudflare Workers edge deployment, Nginx, health checks and observability.
- **Quality & Security:** automated testing (200+ assertions), RLS/RBAC, code audits, explicit evidence boundaries.
- **Leadership:** team leadership (9 analysts), 65+ project orchestration, Agile/SCRUM, stakeholder management.