Michael Jamaica

APPLIED AI & ML ENGINEER

Bogotá, Colombia · Remote B2B (US/EU)
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Applied AI engineer with 6+ years designing and shipping production ML, NLP and data systems. I work with US/EU teams as a remote B2B contractor, usually under NDA, and specialize in turning messy documents, profiles and catalogs into reliable RAG, semantic search and data platforms.

SELECTED OUTCOMES

—50+ enterprise users on a multi-tenant AI platform.

—35k+ profiles indexed for semantic search.

—3x+ industry conversion on outreach.

—Billing cycles from weeks to days; 20+ hours/week saved.

—1,000+ patients and 150+ professionals supported by analytics.

—>80% reduction in operational complaints.

CAPABILITIES

Applied AI & ML
Transformers, RAG, embeddings, semantic search, NER, XGBoost, LightGBM, SHAP.

Data platforms
PostgreSQL/Supabase, pgvector, ETL, normalization, row-level security, multi-tenancy.

Production engineering
Python, Golang, REST APIs, Docker, CI/CD, monitoring, Cloudflare.

Decision support
Streamlit, Dash, forecasting, executive dashboards.

SELECTED WORK

AI search over 35k+ profiles — European talent intelligence company
Embeddings, transformer-based NER, ranking and review interfaces for unstructured engineering profiles. **3x+ industry conversion.**

Billing automation for a multi-tenant platform — US talent platform
Python/Golang workflows, automated revenue milestones and ETL into PostgreSQL with RLS. **Billing from weeks to days; 20+ hours/week saved; 50+ enterprise users.**

Operational analytics for 1,000+ patients — Colombian home healthcare provider
Relational data model, ETL pipelines and executive dashboards across ten service lines. **>80% fewer complaints.**

EXPERIENCE

Lead ML & Data Systems Engineer 2026 – Present

US talent platform · Remote

—Architected the algorithmic infrastructure for a multi-tenant platform serving 50+ enterprise users.

—Automated billing and revenue recognition, compressing time-to-charge from weeks to days.

—Migrated and normalized thousands of records into PostgreSQL with row-level security.

Applied ML Engineer 2024 – Present

European talent intelligence company · Remote

—Built NLP and evidence-based matching pipelines over 35k+ engineering leadership profiles.

—Improved outreach conversion to 3x+ the industry benchmark through personalized extraction.

Data & Analytics Engineer 2022 – 2024

Colombian home healthcare provider

—Built a centralized data model for 1,000+ patients, 10 services and 150+ professionals.

—Delivered executive dashboards supporting a major institutional contract.

Data Analyst 2020 – 2022

Healthcare analytics · Bogotá

—Maintained analytics pipelines for 150+ professionals and reduced complaints from 30% to 5%.

EDUCATION & LANGUAGES

MSc in Artificial Intelligence (Candidate) — Universidad de La Salle
BSc Data Science & Engineering — Fundación Universitaria Compensar
Spanish (native) · English (professional)

Full CV and references available under NDA on request · info@michaeljamaica.com · linkedin.com/in/m-jamaica · github.com/DSMichael94