

Gonzalo Flores Kemec

Senior Backend & Platform Engineer — AI Platform, Data & Governance

10+ years · Remote (UTC-3) · Argentina / Brazil · Trilingual (ES native · EN C2 · PT bilingual)

floreskemec@gmail.com · [linkedin.com/in/gonzalo-flores-kemec](https://www.linkedin.com/in/gonzalo-flores-kemec) · gonzaloFlores.pages.dev · github.com/floreskemec

► SUMMARY

Senior platform and backend engineer (10+ years) who walks the whole bridge: from **reading the organization** to **building, governing and operating** its data and AI systems. End-to-end owner of infrastructure as code, secure event-driven backends and data pipelines in **regulated fintech environments** where auditability is a first-class requirement. I run **agentic AI in production** —my own MCP servers with auditable controls. A sociotechnical foundation (economic sociology) makes requirements engineering, compliance and stakeholder communication part of the core.

Focus: platform + data + governance combined in a single profile.

► SKILLS & STACK

CLOUD / IAC	GCP (Cloud Run, Cloud SQL, BigQuery, Datastream, Pub/Sub, Dataflow, Secret Manager, IAM, Org Policy, Cloud Build) · Azure (Databricks) · Terraform / OpenTofu · secure-by-design IAM
BACKEND	Python (FastAPI, Django) · NestJS / TypeScript · Java / Spring · event-driven architecture · HMAC webhooks · RBAC · finite state machines · idempotent processing
DATA	PostgreSQL · BigQuery · CDC (Datastream) · Databricks / Spark / Delta (Bronze/Silver/Gold) · dimensional modeling · ETL/ELT & streaming · Alembic
AI / AGENTS	own MCP servers (Python, OAuth2, OpenAPI specs, smoke tests) · AI-assisted engineering (Claude Code) · Responsible AI (EU AI Act / NIST AI RMF)
BI	Apache Superset · MicroStrategy · Power BI · Tableau
METHOD / BUSINESS	requirements engineering · BPMN / UML · data governance & compliance (sensitive data) · executive communication with non-technical stakeholders

► EXPERIENCE

Independent Consulting Practice — Senior Backend, Platform & AI Engineer

Jun 2025 — Present · Remote · several clients in parallel (regulated fintech, transport, agribusiness)

Senior Backend & Platform Engineer · Uvix — regulated fintech

Jun 2025 — Present

- Author and sole owner of the IaC baseline: **12 reusable modules** in OpenTofu/Terraform and **~39 reproducible resources** across dev/staging/prod — from a multi-day manual setup to a single **tofu apply**.
- Secure-by-design GCP: least-privilege IAM with single-permission custom roles, closing self-escalation paths and surgical Org Policy exceptions via impersonation.
- CDC analytics pipeline (PostgreSQL → Datastream → BigQuery) with logical replication and **zero impact** on the transactional DB; KYC workflows as finite state machines with a signal-driven AuditLog.
- Engineering standards and DevEx across **7 repos** for a ~6–8 team (CI gates, secret scanning, shared tooling); Apache Superset analytics stack on Cloud Run.

Data / Platform Engineer · Andesmar Industrial (via ITiers)

Feb 2026 — Present

- Multi-source canonical fleet data model (WARA, microTRACK, SAP, vehicle master, Commercial) with a time-versioned **fact_asignacion_vehiculo**, crossing revenue, cost, operations and risk per vehicle.
- **Two production MCP servers** in Python with versioned OpenAPI specs, OAuth2 auth and smoke tests, exposing vendor APIs and local docs to coding agents.
- Data governance (lineage, data-protection compliance) and executive progress reporting.

Backend & Data Engineer · Andesmar Autotransportes (via ITiers)

Jan 2026 — Present

- FastAPI/PostgreSQL backend on GCP with HMAC-validated webhooks and idempotent raw-first storage, consolidating **~1.45M events** into ~780K sales, ~1.21M tickets and ~64K refunds, with daily rebuilds.
- Replaced a legacy batch model (~21h lag) with near-real-time ingestion and automated reconciliation, sustaining ~60–85K sales/month.
- Rebuildable analytics layer (**bi_rebuild**) and MicroStrategy cubes; complementary NestJS/TypeScript/MongoDB microservice.

Full-Stack Engineer (ERP) + Data Migration · El Guardián SRL

Dec 2025 — Jun 2026

- Full-stack collections ERP (FastAPI / Next.js 14 / PostgreSQL) with a deterministic balance engine, invoice lifecycle, partial payments and RBAC-secured APIs, replacing Excel-based management.
- Data migration pipeline to Xubio with checkpointing, idempotency, bulk API loading and phased traceability.

Data Engineer · GDM Seeds — lakehouse remediation

Sep 2025 — Jan 2026

- Stabilized Azure Databricks/Spark/Delta pipelines (Bronze/Silver/Gold) with incremental ingestion at scale.
- Hardened delivery with CI/CD (GitHub Actions), data validation and schema-drift detection; versioned, reproducible datasets for analytics and ML features.

Data & Operations Coordinator · El Puente Foundation

Mar 2024 — Aug 2025

- Led data and operations across **4 concurrent programs** (~USD 100K), integrating financial, operational and impact indicators. Amazonas, Brazil.
- Digitized manual field operations, cutting manual reporting by **~50%**; data governance and access controls for sensitive data; coordinated teams of up to 10 people and donor audit readiness.

Data Engineer / Backend Developer · Minimalistech

Jul 2022 — Mar 2024

- ETL/ELT and streaming pipelines on GCP (Dataflow, Pub/Sub) for high-volume event-driven data; backend services in Python (FastAPI) and Java via Docker. San Francisco, CA (remote).
- Data validation and anomaly-detection frameworks; contributions to governance standards in multi-stakeholder environments.

Data Analyst · Senate of Argentina

Jan 2019 — Jul 2022

- Quantitative and econometric analysis for policy evaluation; automated processing in Python and Power BI / Tableau dashboards for non-technical stakeholders.

Java Backend Developer · Independent Consultant

Jan 2021 — Aug 2022

- Backend systems in Java/Spring/JPA and relational schema optimization, collaborating with product and data stakeholders.

- Grew from process-improvement consultant to business↔technical translator: BPMN/UML modeling, requirements engineering and SQL-based validation in public-sector digitization. The sociotechnical root of everything that followed.

► **EDUCATION**

B.A. in Sociology — spec. Economic & Industrial Sociology
· National University of Cuyo

Full Stack Java Developer — Egg Tech (2021)

In progress: IAPP AIGP certification (AI Governance Professional)

► **LANGUAGES**

Spanish (native) · English (bilingual, C2 certified) · Portuguese (bilingual)

► **PROJECTS & WRITING**

latamfx-mcp — reference MCP server (Python, FastMCP, hexagonal, CI, MIT) · github.com/floreskemec/latamfx-mcp

Book *The Sociotechnical Bridge* · puente-gonzaloflores.pages.dev

Mendoza FuturIA observatory (IMIA model) · gonzaloflores.pages.dev/observatorio