

FABRICIO NICOLÁS DUARTE

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PROFESSIONAL PROFILE

Data engineer and analytics specialist. I design and operate information architectures: ingestion, transformation, dimensional modeling, and governed dashboards for institutional and product decision-making. Core stack: Django, SQL (PostgreSQL / SQL Server), Apache Superset, Power BI, n8n, Vue/Nuxt, Expo. Senior programmer (UTN — Facultad Regional Resistencia, GPA 9.40/10). Data engineer in progress (Universidad del Gran Rosario).

WORK EXPERIENCE

Data and software engineering 2023 — Present

ECOM Chaco S.A. — <https://www.ecom.com.ar/>

Provincial technology company (SAPEM): software, connectivity, and public/private modernization.

- Information architecture and analytics dashboards (Apache Superset / Power BI) with RLS and federated identity.
- Django backends: GIS, KPIs, audit trails, and controlled dataset export.
- Services & Institutions platform; Individuals & Legal Entities management platform.
- SQL Server / PostgreSQL integration and asynchronous reconciliation (Celery / Redis).

Technology and data advisor 2026 — Present

Independent consultancy — *Livio Gutiérrez, President of Nuevo Banco del Chaco*

<https://www.nbch.com.ar/institucional/autoridades>

- Personal advisory on technology, data, and process modernization.

Lead Developer and CTO 2022 — Present

Skadia

- Technical direction of digital products in agrotech.
- SIGAG — Integrated Agricultural and Livestock Management System: offline-first, computer vision, AI, and intelligent orchestration.

Technology and communications advisor 2023 — 2026

Independent consultancy — *Livio Gutiérrez (Cabinet Coordination, Chaco)*

- Personal advisory on communications and digital technology.

Technology and data advisor 2018 — Present

Mg. Med. Julian Bibolini — *Ministry of Human Development / UPLAB, Formosa*

- Health data management and institutional indicators for decision-making.
- Academic management modernization at the Faculty of Medicine.

Communications and technology advisor 2019 — 2023

Municipal Council of Presidencia Roque Sáenz Peña (Pedro Egea), Chaco

- Digital transformation of institutional channels and remote operations.

Legislative advisor

2015 — 2018

Independent consultancy — Chaco Chamber of Deputies (Livio Gutiérrez)

- Advisory on communications and technology.

Instructor

2016 — 2017

National Digital Literacy Plan — Ministry of Modernization

Technical advisor

2016 — 2017

Ombudsman's Office of Formosa — Deputy Ombudsman Hugo Maldonado

- Technical support for claims management and digital communications.

SELECTED PROJECTS

- **SIGAG** — Integrated Agricultural and Livestock Management System. Offline-first, computer vision, conversational AI, intelligent orchestrator.
- **Nutrogan** — Offline-first livestock platform with indicators, GIS, and vision. Collaboration with CEDEVA.
- **SIGCL** — Integrated Curricular and Legal Management System for training institutes (campuses, enrollment, QR attendance, tuition, official minutes and transcripts). Sold 4 times (USD 4,500 + maintenance).
- **Cocoma** — Software bid desk: rate card, COCOMO I/II, WBS, P80 risk, PDF/Excel. Sold USD 1,500. <https://cocoma-app.onrender.com>
- **Payment gateway** — Asynchronous reconciliation via queues, webhooks, and batches.
- **FormoBus** — Urban transit PWA. Donated; in use by a public agency.

EDUCATION

- Senior programmer — Universidad Tecnológica Nacional, Facultad Regional Resistencia. Graduated. GPA 9.40.
- Data engineer — Universidad del Gran Rosario. In progress.
- Public Accountant (basic cycle) — Universidad Nacional de Formosa. Incomplete.

TECHNICAL SKILLS

Data: SQL, PostgreSQL, PostGIS, SQL Server, MySQL, MongoDB, Django, DRF, Celery, Redis, ETL, pandas, Apache Superset, Power BI, DAX, Docker.

Software: Python, PHP 8, TypeScript, JavaScript, Laravel, Livewire, Vue 3, Nuxt, Pinia, Quasar, Node.js, REST.

Mobile and AI: Expo, React Native, Flutter, Dart, WatermelonDB, TensorFlow, PyTorch, Gemini.

Automation: n8n, Make, Power Automate, Apps Script, webhooks, CI/CD, Git, Jira.

LANGUAGES

Spanish (native). English (intermediate technical). Portuguese (intermediate).