CONTACT

giamportone1@gmail.com
Talavera de la Reina, España
EU citizenship (Italian)
arielgiamportone.github.io
linkedin.com/in/agiamportone
github.com/arielgiamportone
ORCID 0009-0000-1607-9743

EDUCATION

Fisheries Engineer
Universidad Tecnológica Nacional (UTN) · 2006 – 2016

University Fisheries Technician
Universidad Tecnológica Nacional (UTN), Facultad Regional Río Grande (Extensión Áulica Ushuaia) · 2006 – 2014

MBA in Logistics and Operations Management (COO), university-specific master's
TECH Universidad Tecnológica · 01/2020 – 06/2024

Master's in AI Development
The BIG school · 04/2026 – 08/2026

Data Analytics — Computer Science
Upgrade Hub · 11/2023 – 02/2024

Diploma in Environmental Management
UTN FRRe (Facultad Regional Resistencia Chaco) · 2020

Diploma in Integrated Quality Management
UTN FRRe (Facultad Regional Resistencia Chaco) · 2019

LANGUAGES

Spanish — Native (C2)
English — Professional (B2-C1)
Italian — Professional (B2)

SKILLS

- Migración de sistemas legacy (Delphi/Paradox/BDE → Python/SQL)
- Contabilidad de activos: PGC 2007 / PGC PYMES, PGCP, ICAL, RBEL, amortización
- Catastro, registro e interoperabilidad (DGC, forales, CartoCiudad, geocoding)
- ENS (RD 311/2022) — diseño de programa de certificación
- ISO/IEC 27001:2022 y RGPD (encargo del tratamiento)
- Autenticación y auditoría (MFA TOTP, JWT RS256, CSRF, hash encadenado,

Ariel Luján Giamportone

Data Engineer · GovTech & Public Sector

Data engineer with real, verifiable deliverables in the Spanish public sector: an ETL platform for the municipal asset register of San Bartolomé de Tirajana, technical inventory audits for EUIPO and AENA, and a multi-tenant asset register with accounting reconciliation. Previously Provincial Director of Science and Technology (government of Tierra del Fuego) and board member of a CONICET research centre. Training in quality (ISO 9001, Lean Six Sigma), environmental management (ISO 14001) and an MBA in operations. Python, SQL, Power BI, FastAPI, Azure and Power Platform.

EXPERIENCE

Data, AI & Product · Technology Department (IT & Innovation) 06/2025 – Present
Intervalor Data · Madrid and Barcelona, Spain (hybrid)

- Designed and built INTERDATA, a fixed-asset SaaS for companies: schema-per-tenant, MFA, hash-chained audit log, QR-verifiable PDF certificates and a depreciation engine that matches the legacy system to the cent
- Put into production the commercial-controls dashboard for AENA at Madrid-Barajas Airport (Azure Static Web Apps + Entra ID, incremental pipeline over a third-party API, 99.95% SLA) and automated its monthly and annual reports (121 tests)
- Modernised a 1990s Delphi/Paradox fixed-asset system into Python with numerical parity to the cent (544 tests, 99.97% of rows migrated)

R&D Director and Project Manager 01/2022 – Present
Applied Chemistry for the Environment, Food and Sustainable Development (QA3DS) · Argentina

- Directed an R&D project using Agile, Kanban and Scrum
- Trained 4 researchers and 7 student researchers
- Processed the group's bibliographic and experimental data for talks, preprints and joint publications

Member (by invitation) 01/2020 – Present
AIIPyC — International Association of Port and Coastal Professionals

- Managed the AIIPyC – UTN Tierra del Fuego collaboration agreement, signed on 16/09/2020 (Short Sea Shipping, cabotage, ports)

Inventory Audit Technical Specialist and Data Analyst 10/2024 – 02/2025
Intervalor Data (Intervalor Consulting Group) · Madrid, Spain

- Coordinated field teams at EUIPO and AENA, working two back-to-back shifts to maximise productivity
- Produced daily and weekly reports for data-driven decisions
- Proposed automation and AI integration to improve operational efficiency

Provincial Director of Science and Technology Liaison 03/2021 – 12/2021
Government of Tierra del Fuego Province · Ushuaia, Tierra del Fuego, Argentina

- 1 provincial and 1 national strategic plan for STI policy 2021-2030
- Organised the 2021 National Science and Technology Week in Tierra del Fuego (15-19/11/2021)
- Co-author of the Provincial Science, Technology and Innovation Agenda 2020-2021

break-glass)

Azure Static Web Apps / Azure Functions

Microsoft Entra ID (roles, SSO)

SharePoint / Graph API / OneDrive

Agile / Scrum

Kanban / Scrumban

Trello

SELECTED PROJECTS

asset-identity-gs1 · 11/2026
Physical identity for inventory assets with GS1 standards: each asset gets one identity in four equivalent forms (canonical GIAI AI 8004, a readable alias with a mod-43 check character for Code128, EPC GIAI-96 for UHF RFID and GS1 ...

catastro-enrichment-es · 11/2026
Enrichment of real-estate inventories with Spain's five cadastres (national DGC and the regional ones of Álava, Bizkaia, Gipuzkoa and Navarre) behind a single interface routed by municipality code; Nominatim geocoding as fallback ...

paradox-db-py · 11/2026
Pure-Python reader and writer for Paradox tables (.DB data, .MB memos/BLOBs, .PX primary index), versions 3.0 to 7, with no native or copyleft dependencies. Explicit per-cell status (OK / NULL / INVALID) with raw bytes, per-table ...

periodic-report-kit · 11/2026
Declarative periodic reports: tabular input with domain rules (unknown rows quarantined) and branded Word, PDF and PPTX output. Full-bleed cover outside the page numbering, a real Word table of contents, YAML catalogue of sections ...

Clean-room case studies · 10/2026
multi-tenant-asset-register (multi-tenant asset register, migration reconciled to the cent, explainable depreciation engine; FastAPI, PostgreSQL, SQLite, Docker), field-inspections-dashboard (incremental pipeline over a ...

Projects with demos, publications and the full track record at https://arielgiamportone.github.io/en/profiles/public-sector/