

# LUCIANO ARIEL FRIED

+54-02964-558115

liezerfried@gmail.com · <https://www.linkedin.com/in/liezer-fried> · <https://github.com/liezerfried>

## SUMMARY

Full Stack Developer specializing in AI agent development, with hands-on experience building agent systems using the Mastra framework (TypeScript) and currently expanding into Python and Agno for multi-agent architectures. Bachelor in Psychology from the National University of Córdoba — a background that informs a precise, human-centered approach to designing AI systems, evaluating model behavior, and structuring training data.

## SKILLS

**Languages & Frameworks:** HTML · CSS · Tailwind CSS · TypeScript · Next.js · React · Python

**Backend & Databases:** Node.js · Express.js · REST APIs · SQL (MySQL, PostgreSQL) · ORM

**Tools & Platforms:** Git · GitHub · Google Analytics · Google Search Console

**Methodologies:** Agile · Scrum · Kanban · Jira

**IA & Agents:** Prompt engineering · Context engineering · AI agent integration · Mastra · Agno (in progress)

## PERSONAL PROJECTS

### Multi-Agent Data Normalization System (In progress)

- Building a 4-agent pipeline in Python using the Agno framework to normalize heterogeneous form inputs affected by human error (typos, inconsistent formatting, language mismatches, synonyms).
- Implementing a confidence-tiered correction system: fuzzy matching handles obvious typos automatically (score  $\geq 0.90$ ), LLM resolves semantic ambiguity (0.70–0.89), and low-confidence cases ( $< 0.70$ ) route to a human-in-the-loop review queue — the agent never overwrites data it's unsure about.
- Structuring output validated with Pydantic schemas; each agent returns typed, auditable corrections rather than free text.
- Exposing a FastAPI endpoint (POST /normalize) that returns the corrected Excel file, a full audit trail, and the pending review queue.
- Designing an evaluation layer to measure precision/recall against a labeled dataset of known errors, making agent performance objectively trackable.

### Data Analyst AI Agent

- Built a data analyst AI agent using the Mastra framework (TypeScript) connected to a PostgreSQL database (Pagila schema).
- Designed intent taxonomy, dynamic tool routing, and structured prompt architecture for reliable multi-step query resolution.
- Implemented evaluation sets to measure agent output quality and iteratively improve response accuracy.
- Explored agent guardrails, latency optimization, and output minimization strategies.

## PROFESSIONAL EXPERIENCE

### Full Stack Developer — Links Apart Hotel

(Freelance, Remote) • Dic 2025 – Present

- Developed and maintained a responsive, multilingual website using Next.js, React, TypeScript, and Tailwind.
- Implemented SEO- and performance-optimized architecture.
- Integrated with an external booking system via APIs.
- Implemented internationalization (i18n) with localized URLs and automatic language detection.
- Optimized navigation flows using web analytics tools.

### Psychology Intern — Provincial Neuropsychiatric Hospital

Córdoba, Argentina (On-Site) • Apr 2025 – Dic 2025

- Conducted structured analysis and documentation of complex clinical cases within interdisciplinary teams.
- Applied cognitive, clinical, and social psychology frameworks to real-world behavioral assessment.
- Developed technical writing skills through systematic case reporting and professional documentation.
- Collaborated asynchronously across disciplines, managing information with precision under high-stakes conditions.

## **EDUCATION**

### **AI Agent Developer Certification · Remote**

ITBA (Instituto Tecnológico Buenos Aires)

Starting July 2026

### **Full-Stack Developer · Remote**

Ícaro — Certification endorsed by the National University of Córdoba (UNC)

Sep 2025 – Apr 2026

### **Bachelor's Degree in Psychology**

Faculty of Psychology, National University of Córdoba

Feb 2019 – Apr 2026 · Córdoba, Argentina

## **CERTIFICATIONS & ADDITIONAL TRAINING**

- **Google AI Essentials** — **Google** · (2024)
- **Project Management** — **Google** · (2024)
- **Principles of Management** — **Johns Hopkins University** · (2024)

## **LANGUAGES**

- **Spanish:** Native
- **English:** Intermediate (technical reading and communication)