

# Juan Ignacio Castore Bergioli

Software Engineer • AI & Agentic Systems • MLOps • Linux & Infrastructure

Buenos Aires, Argentina • juanicastore.ftw@gmail.com • +54 9 2645 271386

linkedin.com/in/juan-ignacio-castore • github.com/juani-castore

## Professional Summary

---

UTDT graduate (**GPA 9.13/10**) and AI Engineer building production **agentic systems**, **MLOps pipelines**, and **Linux infrastructure** for real paying clients. **Co-founder of three ventures**: Orion (insurance-automation consultancy where I serve as CTO), Kora (AI-onboarding SaaS), and Pickup (gastronomy ordering platform publicly launched in 2024). **3 years as Teaching Assistant** at UTDT in **Computer Systems** (OS, C, Assembler, logic gates) and Algorithm Design. Pop!\_OS daily driver; Ubuntu on Hetzner VPS and Raspberry Pi servers running real production workloads. Fluent English (C1).

## Academic Track Record

---

- **GPA 9.13 / 10** — BSc in Digital Technologies, UTDT (2022–2025).
- **39 courses** completed; **7 electives** in AI, Infrastructure, and Data Engineering — 7 beyond the 32 required to graduate.
- **Full scholarship from Mercado Libre and Globant** for Certified Tech Developer (Digital House, 2021–2023).
- **2nd place** in a university Machine Learning competition (CatBoost, feature engineering, hyperparameter tuning).
- Secondary education at **Colegio San Pablo** (San Juan) with overall average 8–9/10, complemented by a full bilingual English program at Saint Paul (2012–2017).
- 3 years of Electromechanical Engineering at UNSJ completed before a deliberate transfer to computing — solid foundation in basic sciences and systems thinking.

## Technical Skills

---

- **Languages: Python (Expert)**, Go, C/C++, JavaScript/Node.js, Java (Spring Boot), Assembler, SQL, R.
- **Linux & Open Source**: Pop!\_OS daily driver; **Ubuntu** administration (Hetzner VPS, on-premise); Debian; **Kali Linux** (UTDT Cybersecurity coursework, CTF labs); Raspberry Pi on-premise servers; systemd, shell scripting, apt, CI/CD.
- **Containers & Cloud**: Docker / Docker Compose (production), Kubernetes (academic, UTDT Infra coursework), Google Cloud Platform (Vertex AI, Cloud Run, Functions, Firestore), Firebase, Hetzner.
- **AI / ML**: PyTorch, TensorFlow, scikit-learn, Hugging Face transformers, CatBoost, XGBoost, RAG architectures, agentic workflows, LLMs (OpenAI, Gemini, Whisper), NLP.
- **Databases**: PostgreSQL 16, MySQL, MongoDB, Redis, Firestore, Cassandra.
- **Embedded**: Raspberry Pi, OpenCV, TensorFlow Lite.

## Professional Experience

---

### Co-Founder & CTO

*Feb 2026 – Present*

*Orion Studio Automation — Insurance Automation Consultancy*

- Co-founded Orion with one partner (I own all technical work as CTO); recurring paying client in insurance brokerage, with conversations open with **Ar-Vida** and **Paraná Seguros** to scale to their full broker networks.
- Designed a 5-tier **entity resolution pipeline** (canonical normalization, token overlap, Levenshtein, LLM validation) matching ~4,280 contacts against ~250 monthly policy renewals with **>90% match rate** target.
- Production infrastructure on **Ubuntu 24.04 (Hetzner CX23)** with Docker Compose (n8n + PostgreSQL 16 + Redis + WhatsApp gateway), Cloudflare zero-trust tunnel, automated daily backups. Migrated from on-premise Ubuntu on a repurposed personal machine.

## AI Engineer — Operational Agent Lead

Sept 2025 – Present

FEX (*OpsTech Startup — AI-Assisted ERP Integration*)

- Lead developer of FEX's flagship **Operational Agent** — an AI system that ingests client-uploaded invoices and processes them into multiple ERPs automatically.
- Led integration with Bejerman (Thomson Reuters legacy ERP): resolved interoperability with undocumented SOAP/XML on-premise endpoints.
- Implemented an invoice auto-load flow that eliminated manual entry for **40% of processed invoices**.

## Teaching Assistant (3 years)

Jul 2023 – Present

Universidad Torcuato Di Tella

- Teach **Computer Systems** (OS, C, Assembler, logic gates), **Algorithm Design**, and Intro to Programming to hundreds of students — workshops, exercise design, evaluation.
- Built direct, pedagogical familiarity with the full Linux stack from bit-level arithmetic through OS primitives to algorithm design.

## Co-Founder & CEO

Apr 2025 – Present

Kora — *AI Onboarding SaaS*

- Designed a RAG system with a dynamic knowledge base using plain-text files as user-editable memory and an index system for efficient retrieval.

## Co-Founder & CTO

Feb 2024 – Feb 2026

Pickap — *Gastronomy Ordering Platform*

- Led full-stack development (React, Node.js, Firebase/GCP). Public launch with real paying customers.
- Deployed a **Raspberry Pi as on-premise Linux server** inside restaurant kitchens, printing incoming orders on thermal receipt printers.

## Personal Projects (beyond curriculum)

---

- **mialquiler.app** — independently built a SaaS for rental management validated by a real paying user (2025).
- **Facial Recognition Access on Raspberry Pi** — OpenCV + TensorFlow Lite embedded Linux, real-time face recognition: [youtube.com/shorts/A16Xpc-ma0Q](https://youtube.com/shorts/A16Xpc-ma0Q) (2023).
- **Conversational Multi-Agent Thesis (Soyana)** — 139 n8n nodes on GCP, 11 automated use cases, 8× improvement in customer lookup time (2025).
- **Public repositories** (selection): `systemasDeComputacion` (C), `heurísticas-ATSP` (C++), `goWeb` (Go), `IA-diagnosticos-pneumonia` (medical ML), `modeladoSatelite` (Python), `investments` (Python), `kora-live` (AI prototype).

## Open Source & GitHub

---

- [github.com/juani-castore](https://github.com/juani-castore) • **71 repositories** • **GitHub Pull Shark achievement** • founder of the **Orion-Studio-Automation** organization.
- Daily Linux user since university (Linux Mint → native Ubuntu during Computer Systems coursework → **Pop!\_OS** today). Ubuntu on all personal servers; Kali Linux in UTDT Cybersecurity coursework (CTF labs).

## Languages

---

- **Spanish:** Native • **English:** C1 — Professional Fluency (Saint Paul 2012–2017, EF Oxford)
  - **German:** A2 — Basic.