

Juan Martin Canguillen

La Plata, Buenos Aires, Argentina - Remote (UTC-3)

jmcanguillen@gmail.com | LinkedIn | Portfolio

Software engineer with more than 4 years building production software. I develop web application features, integrate **REST** APIs and automate processes, with a focus on applying AI to concrete business problems. In my last role I built an automation layer with language models that classifies and routes operational data automatically, cutting manual processing by 40%. I work with **Python**, **Django**, **Node.js** / **NestJS**, **React** and **PostgreSQL**, and use **Claude Code** daily to review AI-generated code against tests and real behaviour before it ships. Today that means owning services and automation end to end at Singular Innovation.

PROFESSIONAL EXPERIENCE

AI Engineer

Singular Innovation

Remote, US
Oct 2026 - Present

- Ship production workflows on **n8n**, **Make** and **Airtable** over **REST** APIs and webhooks.
- Write LLM steps with functional prompts, confidence thresholds and human review routing.
- Own data modeling, dashboards, docs and cross-functional delivery of stable systems.

Software Engineer

Afrus Impact Technologies Corporation

Remote, US
Sep 2025 - Sep 2026

- Batch engine for millions of daily leads (**Node.js** / **NestJS**), throughput +35%.
- **OpenAI** / **Anthropic** APIs with custom **RAG** to automate extraction, +40% task efficiency.
- **Vue.js** / **TypeScript** front ends, page load times -25%, with **Docker**, **AWS** and **GitHub Actions**.

Software Engineer Intern

Blue Alba

Remote, US
Jun 2025 - Sep 2025

- Owned a standalone MVP end to end in **Agile**, from requirements to deployment.
- Peer reviews, 95%+ unit-test coverage and production docs for a 200+ user dashboard.

Data & Infrastructure Engineer

PhyssaFlow

Remote, US
Oct 2024 - May 2025

- **ETL** pipelines over GTFS / BGP / AIS / TLE data into relational and graph models, 12 verticals.
- Compliance and licensing for 20+ official sources, **ISO** / **IATA** QA, provenance tracking.
- **PostgreSQL** schemas and analytical **SQL** tuned for sub-second monitoring latency.

Full Stack Web Developer

Self-Employed

Remote, Argentina
Dec 2021 - Oct 2024

- Built full-stack solutions, including a real-time auction platform for concurrent bidding.
- 10+ client apps with **Next.js**, **React** and **Django**, 3 weeks faster to launch.

EDUCATION

Universidad Empresarial Siglo 21 - B.Sc., Computer Software Engineering, Argentina

Oct 2025 - Jun 2027

Universidad Tecnológica Nacional (UTN) - B.Sc., Systems Engineering, Argentina

Apr 2022 - Oct 2025

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Bash, HTML/CSS

Backend, APIs & Frontend: Node.js, NestJS, Django, REST APIs, PostgreSQL, React, Next.js

AI & Automation: OpenAI / Anthropic APIs, RAG, AI agents, prompt engineering, n8n, Airtable

Cloud, DevOps & Testing: Docker, AWS, GitHub Actions, CI/CD, PyTest, Jest, code review

Languages Spoken: Spanish (native), English (C2)