

Bruno Farfán Miquel

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Santiago, Chile · Open to relocation (EU work authorization via Spanish citizenship)

Profile

Backend and AI engineer with experience building scraping infrastructure, LangGraph-based automation, and full-stack internal tooling for fast-moving startups.

Experience

Software Engineer, Skip – Santiago, Chile Oct 2025 – present

- Built scrapers that connect Skip to tens of insurer portals, navigating login barriers, MFA, and CAPTCHA to read insurer data and review or submit medical reimbursement requests directly in insurer systems.
- Designed LangGraph-based conversational workflows that turn WhatsApp conversations and attachments into structured medical reimbursement requests, let clients review submitted reimbursements, and make chat a primary entry point to the broader Skip experience.
- Connected onboarding, multifactor authentication, payments, reimbursement creation automation, messaging, backoffice, and frontend into a single operating system for customers and internal teams.
- Built internal tools and operational surfaces to monitor queues, triage failures, recover stuck reimbursements, and keep hundreds of daily medical reimbursement requests moving.
- Drove the stack's evolution with strong autonomy, carrying ideas from concept to rollout and strengthening observability, failure handling, gradual releases, and internal tooling critical to operations.

Data Scientist, Unholster – Santiago, Chile Jan 2025 – Oct 2025

- Built a large-scale entity extraction pipeline with GLiNER, embeddings, and KNN to structure millions of environmental-document pages.
- Fine-tuned NLP models on EC2, improving precision and recall for domain-specific entity detection.
- Built scraping and file-processing workflows to catalog, normalize, and structure large SEIA environmental datasets, forming the starting foundation for Prisma Sofofa.
- Developed computer vision pipelines for brand and license plate detection in highway fraud analysis.
- Built LangGraph summarization pipelines to turn environmental document collections into structured analytical outputs.

Education

Pontificia Universidad Católica de Chile, Engineering in Computer Science – Santiago, Chile Mar 2020 – July 2025

- Graduated with maximum distinction as a Computer Science Engineer.
- Bachelor of Science in Engineering with distinction.
- Overall GPA: 6.1 out of 7.

Skills

Backend & AI: Python, FastAPI, Django, LangGraph, PyTorch, Polars, Scrapy, embeddings, NLP.

Product Engineering: TypeScript, React, TanStack, conversational workflows, internal tools, observability, and gradual releases.

Cloud & Tools: GCP, AWS EC2, Linux, Git, scraping of MFA/CAPTCHA-gated pages, computer vision, and data pipelines.

Languages: Fluent English, native Spanish.