

NELSON DELL

AI ENGINEER | DATA SCIENTIST

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SUMMARY

AI engineer with production LLM systems experience end to end: retrieval pipelines, evaluation harnesses, MLOps, and the interfaces people use. At Atlas Wealth, I designed and shipped Atlas Advisor, a RAG platform all 6 advisors use daily, as the company's sole engineer. Having built alone, what I want next is a strong engineering team to grow with long term. Software engineering since 2020, working with LLMs since 2022.

PROFESSIONAL EXPERIENCE

AI Engineer | Founding Partner & CTO, Atlas Wealth

Jan 2025 – Present

- Built and shipped Atlas Advisor, a RAG platform that automates financial planning and investment research for all 6 advisors at Atlas Wealth, cutting financial plan generation from 4 hours to under 10 minutes.
- Sole engineer behind the product: own the retrieval pipeline (pgvector over 4k+ financial documents), AWS infrastructure, CI/CD, and the TypeScript frontend advisors use every day.
- Designed an evaluation harness with golden datasets and regression tests, used to promote 20+ model versions to production without quality regressions.
- Stack: Python, LangChain, AWS Bedrock, MLflow, Airflow, PostgreSQL, pgvector, FastAPI, TypeScript.

Commercial Leader, Faz Capital

Jun 2023 – Dec 2024

- Led a commercial team of 7 advisors managing R\$90M+ in AUM, exceeding revenue targets by 60% YoY.
- Built data-driven sales playbooks (client segmentation, conversion funnels). The manual planning workflow I saw here became the product thesis for Atlas Advisor.

Co-Founder & AI Engineer, PureAI

Oct 2022 – Apr 2023

- Co-founded an applied AI startup and fine-tuned GPT models for contract Q&A in late 2022, before RAG tooling went mainstream.
- Delivered document Q&A solutions for clients including the City of Porto Alegre and Hospital Ernesto Dornelles.

Data Scientist, Bateleur

Nov 2021 – Oct 2022

- Automated weather data collection from 4 meteorological sources for an agribusiness client, cutting manual gathering time by 80%.
- Built 7+ data pipelines with Selenium and Python (Pandas, NumPy), eliminating 10 hours per week of manual work.
- Cut recurring report generation from 3 hours to 10 minutes with automated Power BI and Excel reporting, enabling self-serve analytics for 7 stakeholders.

Software Developer, Illegra

Oct 2020 – Mar 2021

- Built responsive React interfaces across 2 enterprise products, cutting page load time by 15% and writing component documentation that onboarded 5 new developers.

EDUCATION

B.Sc. in Data Science & Artificial Intelligence, PUCRS

2021 – 2024

Postgraduate Certificate in Applied AI Software Engineering, Anhanguera (in progress)

2026 – 2027

SKILLS

Languages: Python, SQL, TypeScript/JavaScript

LLM & ML: LangChain, RAG (chunking, embeddings, retrieval), vector databases (pgvector), LLM evaluation (golden datasets, regression testing), prompt engineering, fine-tuning, scikit-learn

Infra & MLOps: AWS (Bedrock, Lambda), Docker, MLflow, Airflow, FastAPI, PostgreSQL, Git, GitHub Actions, CI/CD

Spoken: English (fluent), Portuguese (native), Spanish (advanced)