Alexis Nathaniel Silva

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Professional Summary

Software Developer with a strong foundation in software engineering, artificial intelligence, and robotics. Experienced in full-stack development, backend APIs, and AI/ML implementation. Proficient in Python, TypeScript, SQL, and cloud platforms. Known for quick learning, team mentoring, and delivering high-impact solutions. Looking to contribute to innovative AI-driven projects.

Technical Skills

Python | TypeScript | SQL | FastAPI | Nest.js | React.js | TensorFlow | Azure DevOps | Docker | Git, | Hugging Face | LangChain
Soft Skills: Team collaboration, Problem-solving, Empathy, Self-motivation, Mentorship.

Languages

Spanish (Native), English (Fluent), Italian (Intermediate)

Professional Experience

Software Developer – Árido Software / Frugally Innovate Technologies
📍 Remote | 🗓 May 2022 – Present

- Built full-stack web applications using SQL Server, Nest.js, TypeScript, and React.js.
- Customized ETL/ELT pipelines in SQL and Python to meet client-specific needs.
- Developed Retrieval-Augmented Generation (RAG) chatbot with Python, LangChain, OpenAI 3.5 Turbo, and Hugging Face LLMs.
- Designed and maintained backend APIs with FastAPI.
- Created CI/CD pipelines with Azure DevOps, reducing deployment time and errors by 40%.
- Onboarded and mentored new developers, reducing ramp-up time by 20%.

Python Developer - CONICET
📍 Argentina | 🗓 Mar 2021 – Apr 2022

- Researched and built ML pipelines for biological simulation software.
- Develop a digital-twin of an experimental Robot using Python, Airflow and TensorFlow.
- Improved performance in experimental workflows via automated models.

Education

Bachelor's in Mechatronics Engineering (National University of San Luis – Argentina) 2020