

Nahuel Isaías Nieves

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PROFESSIONAL SUMMARY

With over four years of experience, I am a Software Engineer with a strong technical foundation and an analytical mindset focused on solving complex problems through scalable solutions aligned with business objectives.

I specialize in understanding systems holistically, identifying strengths, weaknesses, and optimization opportunities to improve quality, performance, maintainability, and operational efficiency.

My approach is centered on maximizing the impact of technology solutions by combining technical expertise with strategic thinking to transform business needs into measurable outcomes. I quickly adapt to new domains and technologies, evaluating alternatives and making decisions that balance scalability, performance, cost, and maintainability to deliver long-term value.

PROFESSIONAL EXPERIENCE

EDSA

Software Engineer / AI Automation Engineer

April 2025 – Present

- Designed and implemented AI solution architectures focused on automating business processes and improving operational efficiency.
- Developed LLM- and agent-based workflows capable of orchestrating multiple tools, APIs, and enterprise data sources.
- Implemented Retrieval-Augmented Generation (RAG) pipelines to provide contextualized responses using internal knowledge bases and company documentation.
- Integrated external services and APIs to build end-to-end automated workflows that reduced manual intervention.
- Investigated emerging AI technologies, evaluated trade-offs, and selected approaches based on accuracy, reliability, scalability, and maintenance costs.

Exaction

Software Engineer / AI Automation Engineer

August 2024 – April 2025

- Designed and delivered AI solutions to automate business operations and support decision-making processes.
- Built LLM-based applications and workflows that integrated multiple systems and data sources.
- Defined quality metrics and evaluation strategies to measure the reliability, consistency, and performance of AI and software solutions.
- Diagnosed and resolved performance bottlenecks, scalability limitations, and maintainability issues in existing systems.
- Architected and implemented a CI/CD strategy from scratch, reducing deployment time by more than 80% and significantly improving delivery reliability.
- Promoted engineering best practices through automation, monitoring, and continuous improvement initiatives.

Baufest

Full-Stack Software Engineer

November 2022 – March 2024

- Developed and maintained backend services using Java and Spring Boot within enterprise-scale microservices supporting multiple BBVA initiatives.
- Contributed to four different banking projects, adapting quickly to new business domains, codebases, and development teams.
- Designed and optimized Oracle and MongoDB data models according to functional and performance requirements.
- Investigated and resolved production issues, software defects, and security vulnerabilities while collaborating with cross-functional teams.
- Participated in technology upgrades and framework migrations, helping modernize existing applications with minimal operational impact.

EDUCATION

B.Sc. in Computer Engineering

National University of Mar del Plata

Argentina. (2019-2026)

CERTIFICATIONS

Azure Developer Associate (AZ-204)

Microsoft Certified