Alejandro Manuel Navarini

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ABOUT ME

I'm a Senior Backend Engineer that excels in solving complex problems with a proactive and solution-oriented mindset. I have a 5+ years of experience creating scalable, efficient, and resilient backend systems that meet the demands of challenging environments. My main areas of interest are Finance and ML

EXPERIENCE

Senior Backend Engineer   *United States*
AgileEngine   *Oct. 2022 - Present*

- Optimized a Python application with parallelism, boosting performance by 60% and enabling horizontal scaling to support 30x more requests.
- Automated an EC2 deployment pipeline, cutting manual work by 1 hour per deployment and reducing errors by 25%.
- Developed a machine learning model detecting fraudulent form submissions with 70% accuracy, reducing manual verification by 30%.
- Proposed and developed the initial version of an LLM-based RAG product, accelerating marketers' data retrieval time by 24 hours

FullStack Engineer   *Argentina*
Mutual de Socios de AMR   *Jan. 2021 - Oct. 2022*

- Developed a centralized database access UI portal for credit risk analysts, improving data retrieval speed by 50% and enabling faster, more informed decision-making for evaluating lines of credit, ultimately enhancing the efficiency of credit application processing.
- Developed an automated payment feature by integrating third-party APIs, optimizing the user experience with seamless, efficient, and reliable service transactions.
- Automated deployment pipelines, reducing failure rates by 20% while boosting deployment and backup speed by 80%
- Onboarded and mentored junior engineers to enhance team productivity and skill development.

Backend Engineer   *Argentina*
KRETZ - Internship   *Dec. 2019 - Jul. 2020*

- Developed and implemented a product loading feature, enhancing system performance by 20%.
- Refactored Java backend systems to align with best practices, improving maintainability, scalability, and performance.

SKILLS

Skills: Python, FastAPI, JavaScript, React/Next.js, SQL, AWS, Terraform, Docker

LANGUAGES

Languages: English, Spanish, German, French

EDUCATION

UCEMA, Argentina   *2025-2027*
Msc in Finance

UTN, Argentina   *2017-2023*
Information Systems Engineer