

# Nicolás Japas

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## SUMMARY

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Senior Software Engineer specializing in **Python, AWS serverless, and TypeScript** with 5+ years of experience building **production cloud-native systems, data-driven applications, and modern full-stack platforms**. EU (German/Argentinian) citizen with experience delivering systems across European teams.

## CORE SKILLS

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**Languages:** Python, TypeScript, JavaScript, SQL, C++

**Backend & Cloud:** AWS (Lambda, API Gateway, DynamoDB, S3, CloudWatch), FastAPI, OpenAPI, Node.js, Pydantic, mypy, Ruff

**Frontend:** React, Vite, MUI, Plotly

**Data:** PostgreSQL, MySQL, MongoDB, DynamoDB, Pandas, NumPy

**Testing & CI/CD:** Pytest, Jest, Playwright, Cypress, GitHub Actions, GitLab CI/CD

**Other:** AWS CDK, CloudFormation, IaC, Web3, JUCE

## EXPERIENCE

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**Full Stack Developer - Brother ISM GmbH | Germany (remote)** - Jul 2023 to Oct 2025

- Built and owned production systems using **Python, AWS serverless, OpenAPI, and React**.
- Optimized automated data pipelines, reducing error rates and manual intervention.
- Collaborated cross-functionally in Scrum with teams across Europe to deliver scalable features.

**Software Developer - DataZoo GmbH | Germany (remote)** - Jun 2021 to Jun 2023

- Built high-performance data visualizations and JupyterLab extensions for time-series analysis.
- Operationalized ML models into tools for financial forecasting using internal APIs and AWS SageMaker.

**Earlier Experience:** Freelance Software Developer (2018–2021); Professor & Editor, National University of Arts (2012–2017); Mechanical Engineer (2005–2016)

## EDUCATION

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**Data Analytics Bootcamp** - Ironhack, Berlin (2021); **M.A. Musical Arts** (Composition) - UNA, Argentina;  
**Mathematics** - University of Buenos Aires; **Electronic Technician** - Institute of Technology San Bonifacio

## TECHNICAL PROJECTS

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**Portfolio:** <https://nicojapas.github.io/portfolio>

Selected production-oriented projects in Python, AWS, TypeScript, and AI-driven systems.

- **AI Document Q&A API** – AI-powered document processing. Python, FastAPI, LLMs, vector search.
- **Algorithmic Trading System** – Python, Pandas, NumPy, Plotly, AWS (Hackshow winner, 2021).
- **Cryptools** – Web3, blockchain, smart contracts integration. Python, TypeScript, React, Web3, AWS.
- **Japas Audio (VST Plugins)** – Commercial-grade audio plugins. C++, JUCE, real-time DSP.

## LANGUAGES

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Spanish (Native) • English (C2) • German (B2) • Portuguese (A2)