

Nicolás Japas

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SUMMARY

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

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

Backend & Cloud: AWS Lambda, API Gateway, S3, CloudWatch, FastAPI, Node.js, Postgres

Frontend: React, Vite, MUI, Plotly

Data: PostgreSQL, MySQL, DynamoDB, MongoDB, Pandas, NumPy, Time-Series Data

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

Other: AWS CDK, OpenAPI, CloudFormation, IaC, Observability, Monitoring, Distributed Systems, JUCE

EXPERIENCE

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

- Built and owned full-stack, customer-facing production systems with Python, AWS, OpenAPI, and React.
- Designed and maintained APIs, data models, and backend services supporting core product workflows.
- Improved reliability of automated data pipelines, reducing error rates and operational overhead.
- Led debugging and resolution of production issues, focusing on root cause analysis and long-term fixes.
- 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 data-heavy applications and visualizations for large time-series datasets.
- Operationalized ML models into tools for financial forecasting using internal APIs and AWS SageMaker.
- Worked on system performance, data pipelines, and integration of analytics and backend services.
- Collaborated closely with product and engineering to turn research prototypes into production systems.

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

EDUCATION

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

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

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

- **AI Document Q&A.** AI-powered documents processing backend API. Python, FastAPI, LLMs, Vector Search
- **Algo Trading.** Time-series and data-driven systems (Hackshow winner, 2021). Python, NumPy, Plotly
- **Cryptools.** Web3-enabled analytics and tooling platform.. Python, TypeScript, React, AWS
- **Japas Audio (VST Plugins).** Commercial-grade audio software. C++, JUCE, real-time DSP

LANGUAGES

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