

# Nicolás Japas

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## SUMMARY

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Senior Software Engineer with 5+ years building **Python** and **TypeScript** product systems with strong backend focus. Experienced in production APIs, data pipelines, testing, and cloud delivery. EU (German/Argentinian) citizen with a craft mindset and interest in meaningful, human-centered products.

## CORE SKILLS

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**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

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

- Built and owned **backend-heavy product systems** using **Python**, **TypeScript**, and **AWS**.
- Designed APIs, data models, and services supporting core customer workflows.
- Worked across backend and frontend while prioritizing reliability and maintainability.
- Improved test coverage and CI pipelines to reduce regressions in production.
- Collaborated closely with product and design in iterative, user-focused delivery.

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

- Developed **Python-first backend systems** for data-heavy and AI-assisted products.
- Built APIs and services around **PostgreSQL** and time-series data.
- Operationalized ML models into production tools with strong testing discipline.
- Worked closely with research and product to ship usable, reliable systems.

**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 backend systems, data, and AI tooling.

- **AI Document Q&A.** Backend API for AI data ingestion and search. Python, FastAPI, LLMs, Vector Search
- **Algo Trading.** Data-driven systems and analytics (Hackshow winner, 2021). Python, NumPy, Plotly
- **Cryptools.** Analytics platform with modern backend and frontend. Python, TypeScript, React, AWS
- **Japas Audio (VST Plugins).** Commercial-grade, real-time audio software. C++, JUCE, real-time DSP

## LANGUAGES

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