Nicolás Japas

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SUMMARY

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

CORE SKILLS

- Programming Languages: Python, TypeScript, JavaScript, SQL, C++
- Frontend: ReactJS, MUI, Parcel, Vite, Plotly, Dash, SCSS/LESS, HTML5
- Backend & Cloud: AWS (Lambda, S3, API Gateway), Node.js, REST APIs, OpenAPI, FastAPI
- Testing & CI/CD: Pytest, Jest, Playwright, Cypress, GitHub Actions, GitLab CI, AppVeyor
- Databases: DynamoDB, MySQL, PostgreSQL
- Other: Infrastructure as Code (AWS CDK, CloudFormation, YAML), Electron, JUCE, Web3, Solidity

EXPERIENCE

- **Full Stack Developer - Brother ISM GmbH** | Germany (remote) - Jul 2023 to Oct 2025
  - Built multiple features with Python, OpenAPI, IaC, React, and AWS serverless (Lambda, DynamoDB, CloudWatch, API Gateway) serving production teams across Europe.
  - Optimized automated data pipelines, reducing error rates and manual intervention.
  - Collaborated cross-functionally in SCRUM to deliver scalable, maintainable features.
- **Software Developer - DataZoo GmbH** | Germany (remote) - Sep 2021 to Jun 2023
  - Built high-performance data visualizations with React, TypeScript, Plotly, and JupyterLab extensions for time-series analysis and anomaly detection.
  - Developed custom JupyterLab widgets integrated with internal APIs and cloud services including SageMaker, improving data exploration speed for analysts.
  - Operationalized ML models into interactive tools for financial forecasting.
- **Freelance Software Developer** | Argentina, Germany (remote) - 2018 to 2021
  - Delivered automation tools, dashboards and API integrations with Python and JavaScript for independent clients.
- **Professor and Editor - National University of Arts** | Argentina - 2012 to 2017
  - Taught composition and electroacoustics; led academic projects and edited publications.
- **Mechanical Engineer - XPAK USA/Tecna Machines** | Argentina (hybrid) - 2005 to Mar 2016
  - Designed and prototyped automated machinery using Autodesk CAD tools.

EDUCATION

• Ironhack (Berlin, Germany) - Data Analytics Bootcamp (2021)
• National University of Arts (UNA) - Master's degree in Musical Arts, Composition (2012)
• University of Buenos Aires (UBA) - Mathematics (2003–2005)
• Institute of Technology San Bonifacio - Electronic Technician (2002)

TECHNICAL PROJECTS

- [Japas Audio](#): Professional VST plugins built in C++ with JUCE; optimized for real-time DSP.
- [Cryptools](#): Webapp with React, web3.js, and Python REST API integrating BSC blockchain.
- [Algorithmic Trading](#): Hackshow winner (Berlin 2021); real-time trading using Python & ML.

LANGUAGES

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