



Tiago Muchagato

FULL STACK AI TRANSFORMATION ENGINEER

Lisbon, Portugal

✉ tiago.muchagato@gmail.com | 🌐 muchagato.dev | 📄 muchagato

Summary

Enthusiastic Full Stack Developer with over 3 years of experience at BNP Paribas Global Markets, specializing in AI-driven solutions, full-stack development, and process automation. Currently leading the design and development of AI platforms for the Primary Credit business, including an LLM-powered orchestrator leveraging MCP. Known for delivering innovative tools that optimize business processes, winning a Synergies Pitch-In Award for an automated multilingual newsletter pipeline. Adept at presenting to stakeholders, mentoring, and collaborating with cross-functional teams across multiple countries.

Work Experience



Full Stack AI Transformation Engineer

BNP PARIBAS

Lisbon, Portugal

Apr. 2025 – Present

Global Primary Credit – Digital & Transformation

- Identified automation gaps across team workflows and led end-to-end design and delivery of tailored AI solutions, streamlining key business processes across the team.
- Unified fragmented tooling by architecting a full-stack AI platform (React, Python, FastAPI, FastMCP) that consolidated multiple standalone tools into a single portal, reducing operational overhead and context-switching for users.
- Eliminated manual multi-step workflows by developing an LLM-powered orchestrator with MCP tool-calling, enabling users to complete complex tasks through natural language prompts.
- Accelerated platform adoption by delivering live demos and a townhall presentation to hundreds of clients, communicating complex AI capabilities to non-technical audiences.
- Contributed to bank-wide AI strategy by participating in a transversal monitoring initiative, gaining visibility over AI projects.
- Sustained delivery across a distributed team by actively coordinating with colleagues across Portugal and London, ensuring consistent progress and alignment on shared goals.



Full Stack Developer

BNP PARIBAS

Lisbon, Portugal

Jul. 2022 – Apr. 2025

Global Markets Front Office – Digital Marketing Solutions

- Modernised document generation by developing and maintaining a full-stack application (Angular, C#.NET, SQL), enabling automated monthly refresh of hundreds of public-facing documents and replacing legacy VBA macro-driven update cycles.
- Improved data consistency by building pipeline logic that feeds the golden source database from external APIs and analysis tools, reducing reliance on manual data entry and minimising the risk of stale or inconsistent records.
- Enabled a multilingual newsletter publication workflow with no viable manual alternative by building a Python tool leveraging internal LLM API calls to publish translated drafts for internal review, and schedule final delivery to clients; recognised with a Synergies Pitch-In Award.
- Delivered targeted quick-win automation by building VBA tools for business users.

Skills

AI	LangChain, Vercel AI SDK, FastMCP	Frontend	TypeScript, React, Angular
Backend	Python, FastAPI, C#, ASP.NET, Java	Database	SQL
DevOps	AWS, Docker, Kubernetes, Jenkins, Git	Languages	Portuguese (Native), English (Fluent)

Education



Bachelor's Degree in Computer Engineering

ISCTE — UNIVERSITY INSTITUTE OF LISBON

Lisbon, Portugal

2019 – 2023

- Awards: Academic Excellence Award (2019), ISTA Top Talent (2020).

Certificates

Dec. 2025 **Advanced Python Mastery**, Rumos Training

Mar. 2025 **Introduction to Ansible**, Rumos Training