

Luís Marques

Lead AI Architect | SAP BTP AI Center of Excellence

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I'm a Lead AI Architect with 15+ years of experience in software engineering and architecture, helping enterprises adopt scalable AI solutions with confidence.

I have led initiatives and teams across startups and global enterprises with a consistent emphasis on quality, scalability, and business value. Recent highlights include co-creating SAP's AI Best Practices platform (180K+ views, 1600+ companies in 9 months) and delivering AI projects and reusable architectures that accelerate enterprise adoption.

TECHNICAL SKILLS

AI & Architecture: GenAI Solutions, LangChain, LangGraph, RAG Pipelines, AI Agents, Vector Databases, Knowledge Graphs, AI Quality & Safety

Cloud & Platforms: SAP BTP, ML Deployment & Orchestration, Docker, GitHub Actions, CI/CD, AWS, Azure

Development Technologies: Python, TypeScript, JavaScript, C++, React, Angular, Vue, Node.js, UI5, Meteor

Leadership & Enablement: Thought Leadership, Framework Standardization, Team Mentorship, Enterprise Enablement

PROFESSIONAL EXPERIENCE

Lead AI Architect | SAP BTP AI Center of Excellence | SAP Dec 2024 – Present

- Co-created and scaled SAP's AI Best Practices platform (180K+ views, 1600+ companies, 2000+ downloads in 9 months); drove quality across 15+ practices, set SAP-wide standards, and presented to thousands globally ([Website](#) | [GitHub](#)).
- Led high-impact projects delivering AI agents, knowledge-graph solutions, RAG search, document intelligence, and enterprise chat/analytics tools for top-tier financial, governmental, and consumer brand clients.
- Established the standard AI PoC architecture and built a reusable component library, cutting delivery time and enabling reuse from PoC to productization.

Senior Software Architect & Senior Development Consultant | SAP Jan 2022 – Nov 2024

- Pioneered and led automation initiatives saving €3.8M+ and 70–90% of time on key tasks.
- Built SAP Customer Data Cloud's front-end development environment, cutting tech debt from 80% to 10%.
- Authored a JavaScript certification course, upgrading skills for 60% of the Web Developer team.
- Designed extensions and products using AI, SAP BTP, React, Angular, Node.js, and Java, saving hundreds of development hours.

Strategy & Operations Lead | Golens (e-commerce startup) Nov 2020 – Dec 2021

- Scaled operations from zero to multi-country expansion in <5 months, building brand, suppliers, payments, and packaging.
- Developed a VueJS app integrated with invoicing software to manage over 150K+ SKUs
- Optimized the user journey, reducing 50% of steps in some cases

Lead Software Architect, Co-founder | BrainAnswer Aug 2015 – Oct 2020

- Architected a multimodal data collection system capturing 100+ channels (Webcam, Microphone, Eye-trackers, EEG, sensors).
- Engineered a signal processing system to run ML algorithms in C++, R, Python, PHP, ImageJ.
- Built a scientific study builder in ReactJS & MeteorJS, integrating video, interactive forms, and analysis tools

Full Stack Developer & Co-founder | Early Career & Ventures Sep 2010 – Nov 2016

- Co-founded GameTrade: a marketplace with embedded-transaction chat, €110K+ traded volume.
- Architected (Patent Proposal) a high-throughput SMS Proxy service (C++, PHP, JavaScript).
- Delivered full-stack products across e-commerce, real-time sync, and user interaction platforms.

OPEN SOURCE & PROJECTS

SAP BTP AI Best Practices (Website GitHub)	2025 – 2026
Tech Lead of a curated collection of guides and patterns for implementing AI solutions	
Automated Usage Tracking Tool (GitHub)	2024 – 2025
Architect and Product Owner of a GDPR-compliant usage data collection system	
SAP Customer Data Cloud accelerator (GitHub)	2023 – 2024
Architect and Product Owner of a quality-focused development environment	
SAP Customer Data Cloud toolkit (GitHub)	2022 – 2024
Architect and Product Owner of a Chrome extension with automation features	
e-CoVig (Project)	Feb 2020 – Oct 2020
Lead Architect of a scalable symptom monitoring mHealth system	

AWARDS & RECOGNITION

SAP Cross Engagement Excellence Award (2024) | CX ASC Talent Award (2023) | Employee Spotlight Award (2023) | DISRU.PT Summit “Shark Tank” – 3rd Place (2015) | IAPMEI Entrepreneurship Funding (2014)

CERTIFICATIONS

SAP Certified Associate – SAP Generative AI Developer SAP	2025
Deep Agents with LangGraph LangChain	2025
Functions, Tools and Agents with LangChain DeepLearning.ai	2024
LangChain for LLM Application Development DeepLearning.ai	2024
Accelerating Change Readiness and Agility UC Berkeley Executive Education	2024

LANGUAGES

Portuguese (Native) | English (Full Professional) | French (Professional Working) | Spanish (Limited Working)

PUBLICATIONS & EDUCATION

- 2 peer-reviewed MDPI publications (22+ citations, 12K+ views) – 2021
[Remote Monitoring of Symptoms](#) | [Neuroorganoleptics](#)
- **University of Beira Interior** – Information Technology (2009–2011) | Coursework in software engineering & CS; contributed to projects at the Assisted Living Computing and Telecom Lab