Luís Marques

AI Solutions Architect | SAP BTP AI Center of Excellence

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I'm an AI Solutions 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 (81K+ views, 700+ companies in 5 months) and delivering AI projects and reusable architectures that accelerate enterprise adoption.

TECHNICAL SKILLS

AI & Architecture: SAP Business AI, LangChain, LangGraph, RAG Pipelines, Knowledge Graphs, AI Quality & Safety

Cloud & Platforms: SAP BTP, AI Core, AI Launchpad, Docker, GitHub Actions, CI/CD, AWS, Azure

Development Technologies: Python, TypeScript, JavaScript, SAP UI5, React, Angular, Node.js, SAP CDC

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

PROFESSIONAL EXPERIENCE

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

- Co-created and scaled SAP's AI Best Practices platform (81K+ views, 700+ companies, 900+ downloads in 5 months); drove quality across 10+ practices, set SAP-wide standards, and presented to thousands globally (Docs | GitHub).
- Led high-impact PoCs delivering AI agents, knowledge-graph solutions, RAG search, document intelligence, and enterprise chat/analytics tools, accelerating adoption of SAP AI.
- 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 | SAP   Jun 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%.
- Designed extensions and products using AI, SAP BTP, React, Angular, Node.js, and Java, saving hundreds of development hours.

Senior Development Consultant | SAP   Jan 2022 – Nov 2024

- Led teams providing mentorship and technical guidance
- Authored a JavaScript certification course, upgrading skills for 60% of the Web Developer team.
- Delivered projects for some of the largest companies and governments, increasing revenue while delivering quality.

Strategy & Operations Lead | Golens   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 Developer & 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

Lead Software Developer & Architect, Co-founder | GameTrade   Apr 2014 – Nov 2016
- Invented an innovative chat with embedded transactions, supporting €110K+ in traded volume.
- Built and shipped a marketplace in <4 months using ReactJS & MeteorJS
- Created an auto-updating database for 50K+ games using PHP & SQL

Full Stack Software Developer & Consultant, Co-founder | Vectis   Jan 2014 – Apr 2015
- Delivered innovative websites, e-commerce stores, and apps used by thousands of users.

Front End Software Developer | EyeSee Solutions   Jun 2013 – Dec 2013
- Built a back-office system and jQuery plugin for user interaction in <6 months

Full Stack Software Developer | GiftList   Feb 2012 – May 2013
- Engineered a full-stack framework for real-time DB synchronization using JavaScript & PHP.

Full Stack Software Developer | SMS Server   Apr 2011 – Jan 2012
- Architected (Patent Proposal) an SMS Proxy service with servers & GSM modems, delivering thousands of messages daily via JavaScript, PHP, C++.

Full Stack Software Developer | PaperPile   Sep 2010 – Apr 2011
- Launched an expense-tracking web app with Excel-like tables, expense-sharing, and gamification.

OPEN SOURCE & PROJECTS

Automated Usage Tracking Tool ([GitHub](#))   2024 – Present
Architect and Product Owner of a GDPR-compliant usage data collection system

SAP Customer Data Cloud accelerator ([GitHub](#))   2023 – Present
Architect and Product Owner of a quality-focused development environment

SAP Customer Data Cloud toolkit ([GitHub](#))   2022 – Present
Architect and Product Owner of a Chrome extension with automation features

e-CoVig ([Project](#)) Lead Architect of a scalable symptom monitoring mHealth system   Feb 2020 – Oct 2020

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
Quality and Safety for LLM Applications | DeepLearning.ai   2024
Building Systems with the ChatGPT API | DeepLearning.ai   2024
LangChain for LLM Application Development | DeepLearning.ai   2024
Accelerating Change Readiness and Agility | UC Berkeley Executive Education   2024

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
- **Escola Secundária Amato Lusitano** – Computer Science & IT (2005–2008)