

Luís Marques

Senior Software Developer / Software Architect / Consultant

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I'm a software architect and developer specializing in building exceptional digital experiences for 13+ years.

With emphasis on quality and scalability, I have pioneered initiatives, architected projects, and led teams in fast-paced and self-driven environments, ranging from startups to Fortune 500 companies.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, MongoDB, C/C++, C#, Python, PHP, R

Frameworks: ReactJS, ReduxJS, NextJS, Angular, VueJS, MeteorJS, Node.js, Jest, Cypress, SAP Commerce Cloud composable storefront (SAP Spartacus), Webpack, Babel, Tailwind CSS, Bootstrap, jQuery, SAP Customer Data Cloud (SAP CDC / Gigya)

DevOps and API Tools: GitHub Actions, Jenkins, Sonar, Checkmarx, Git, Docker, Azure, AWS, Swagger, Postman

AI: SAP AI, AI Product Architecture, LangChain, ChatGPT API, GitHub Copilot, Prompt Engineering, AI Quality and Safety

Other: Agile (Scrum, Kanban), SOLID, DRY, TDD, Domain-Driven Design, Design Patterns, Data Modeling

PROFESSIONAL EXPERIENCE

Senior Software Architect & Technical Consultant | [SAP](#)

Jan 2022 – Present

- Pioneered and led automation and AI initiatives that **saved over €1,800,000 and 70% to 90% of the time** on tasks
- Architected and built SAP Customer Data Cloud's front-end dev environment **reducing tech debt from 80% to 10% in governments and large companies** by integrating source control, CI/CD, testing, code quality, and security checks
- Conceptualized extensions and products using AI, SAP BTP, ReactJS, Angular, Node.js, and Java, **saving hundreds of development hours** with SAP Commerce and SAP Spartacus projects
- Created a JavaScript course to certify SAP Web Developers, resulting in the **skill set upgrade of 60% of the team**
- Estimated projects for some of the largest companies and governments, increasing revenue while delivering quality

Strategy & Operations Lead | [Golens](#)

Nov 2020 – Dec 2021

- Led the operation from conception to a **multi-country expansion in less than 5 months**, starting without branding, website, product database, suppliers, delivery partners, payment system, or packaging
- Developed a VueJS app integrated with invoicing software to manage over 150,000 SKUs
- Optimized the user journey by **reducing 50% of steps** in some cases

Lead Software Developer & Architect, Co-founder | [BrainAnswer](#)

Aug 2015 – Oct 2020

- Architected and implemented a data collection system to **remotely record** Webcam, Microphone, Eye-trackers, EEG headsets, and sensors **simultaneously by the millisecond from dozens of stations with more than 100 channels each**
- Engineered signal processing system to **run machine learning algorithms in 5 different programming languages**, such as C++, R, Python, PHP, ImageJ
- Implemented a scientific study builder using ReactJS and MeteorJS, featuring video, interactive forms, and games, and integrated an analysis tool for signals, statistics, and cross-referencing hundreds of data points

Lead Software Developer & Architect, Co-founder | [GameTrade](#)

Apr 2014 – Nov 2016

- Invented an innovative chat with embedded transactions and feedback, **supporting over €110,000 in traded volume**
- Using ReactJS and MeteorJS, built and shipped the marketplace **in less than 4 months** (front-end, and back-end)
- Created an auto-updating database system for over 50,000 games using PHP, SQL, and Cronjobs

Full Stack Software Developer & Consultant, Co-founder | Vectis

Jan 2014 – Apr 2015

- Produced uniquely innovative websites, e-commerce stores, and smartphone apps used by thousands of users

Front End Software Developer EyeSee Solutions	Jun 2013 – Dec 2013
<ul style="list-style-type: none"> Developed a back-office to manage contents along with a jQuery plugin for user interaction, in less than 6 months 	
Full Stack Software Developer GiftList	Feb 2012 – May 2013
<ul style="list-style-type: none"> Engineered a full-stack framework for real-time data synchronization with the database using JavaScript and PHP 	
Full Stack Software Developer SMS Server	Apr 2011 – Jan 2012
<ul style="list-style-type: none"> Architected (with Patent Proposal) an SMS Proxy service with servers and GSM Modems to deliver thousands of messages daily using JavaScript, PHP, and C++ 	
Full Stack Software Developer PaperPile	Sep 2010 – Apr 2011
<ul style="list-style-type: none"> Launched an expense-tracking web app with Excel-like expense tables, expense-sharing, and gamification 	

OPEN SOURCE

<u>Automated Usage Tracking Tool</u>	Associated with SAP
Architect and Product Owner - GDPR-compliant usage data collection system	May 2024 – Present
<u>SAP Customer Data Cloud accelerator</u>	Associated with SAP
Architect and Product Owner - Quality-focused development environment	Feb 2023 – Present
<u>SAP Customer Data Cloud toolkit</u>	Associated with SAP
Architect and Product Owner - Chrome extension with automation features	Apr 2022 – Present

RECENT AWARDS AND CERTIFICATIONS

Cross Engagement Excellence Award SAP	Feb 2024
Accelerating Change Readiness and Agility Experience UC Berkeley Executive Ed.	Feb 2024
CX ASC Talent Award SAP	Dec 2023
Employee Spotlight Award SAP	Jun 2023

PROJECTS

<u>e-CoVig</u>	Associated with BA
Lead Developer and Architect - Scalable symptomatology remote monitoring system	Feb 2020 – Oct 2020
<u>Mobfood</u>	Associated with BA
Consultant - Scientific and technological solutions for the agri-food market	2018 – 2020

PUBLICATIONS

<u>Organoleptic Testing Based on Psychophysiological Sensing</u>	MDPI
Heart Rate Variability (HRV) has a strong correlation with self-reported preferences	Aug 2021
<u>A Novel mHealth System for Remote Monitoring of Symptoms in COVID-19</u>	MDPI
Management and visualization of physiological and clinical data	May 2021

EDUCATION

University of Beira Interior	Covilhã, Portugal
Studied Information Technology for 2 years	2009 – 2011
Collaborated in innovative projects in the <u>Assisted Living Computing and Telecom Laboratory</u>	