Luís Marques

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I'm a software developer and architect 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.

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

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, MongoDB, C/C++, C#, Python, PHP, R, HTML, Pug, CSS, Sass, Less,

Frameworks: React, Redux.js, Next.js, Tailwind CSS, Jest, Cypress, Angular, SAP Commerce Cloud composable storefront (SAP Spartacus), Vue.js, Meteor.js, Node.js, Webpack, Babel, Bootstrap, jQuery, SAP Customer Data Cloud (SAP CDC / Gigya)

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

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

PROFESSIONAL EXPERIENCE

Senior Software Developer & Architect | SAP   Jan 2022 – Present

- 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
- Pioneered and led a React automation initiative that **saved €810,000 in the first year and 70% to 90% of the time** on some tasks
- Conceptualized extensions and products using SAP BTP, React, Angular, Node.js, and Java, **saving hundreds of development hours** with SAP Commerce and SAP Spartacus projects
- Created a 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 Vue.js app to manage product stocks integrated with invoicing software, enabling the quick management of over 150,000 SKUs
- Optimized the user journey by **reducing 50% of steps** in some cases

Lead Software Developer & Architect | 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 tool with video, forms, and interactive games, along with a visualization tool to analyze synchronized signals, statistics, and cross-referencing analysis of hundreds of data points

Lead Software Developer & Architect | GameTrade   Apr 2014 – Nov 2016
- Invented an innovative chat with embedded transactions and feedback, **supporting over €110,000 in traded volume**
- Built and shipped the marketplace **in less than 4 months**, defining the design system, UX, front-end, and back-end
- Created an automated database system that keeps itself updated multiple times a day for over 50,000 games

Full Stack Software Developer & Consultant | Vectis   Jan 2014 – Apr 2015
- Produced uniquely innovative websites, e-commerce stores, and smartphone apps used by thousands of users
- Co-authored a Web-Documentary with 3D navigation

Front End Software Developer | EyeSee Solutions   Jun 2013 – Dec 2013
- 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
- **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
- Architected (with Patent Proposal) an SMS Proxy service using servers and GSM Modems to deliver thousands of messages daily

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

OPEN SOURCE

SAP Customer Data Cloud accelerator   **Associated with SAP**
Architect and Product Owner - Quality-focused development environment for SAP CDC   Feb 2023 – Present

SAP Customer Data Cloud toolkit   **Associated with SAP**
Architect and Product Owner - Chrome extension with automation features for SAP CDC   Apr 2022 – Present

PROJECTS

e-CoVig   **Associated with BA**
Lead Developer and Architect - Symptomatology Remote Monitoring for millions of users   Feb 2020 – Oct 2020

Mobfood   **Associated with BA**
Consultant - Scientific and technological solutions for the agri-food market   2018 – 2020

PUBLICATIONS

Organoleptic Testing Based on Psychophysiological Sensing   **MDPI**
Heart Rate Variability (HRV) has a strong correlation with self-reported preferences   Aug 2021

A Novel mHealth System for Remote Monitoring of Symptoms in COVID-19   **MDPI**
Management and visualization of physiological and clinical data   May 2021

EDUCATION

University of Beira Interior   **Covilhã, Portugal**
Studied 2 years in the BS of Information Technology   2009 – 2011
Collaborated in innovative projects in the Assisted Living Computing and Telecom Laboratory