Jonas Melo

Full-stack Developer, Specialized in C#, .Net Core, and Vue.js

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CAREER SUMMARY

Full Stack Developer with 12+ years of experience. Led and contributed to the delivery of numerous large-scale projects. Proficient in architectural design, requirements analysis, frontend and backend development, API integration, SQL, and NoSQL databases. Adept at software architecture patterns, microservices design, cloud services, and agile methodologies. Skilled in optimizing performance, ensuring scalability, and system integration strategies. Bachelor's degree in Information Systems with 1-year exchange at NUIG Ireland in Software Engineering.

Technical Prowess: .NET Core, C#, Vue.js, Vite, Vuex, Nuxt, SQL, PostgreSQL, Oracle, SQL Server, Redis, MongoDB, AWS, Azure DevOps, Docker, and more.

PROFESSIONAL WORK EXPERIENCE

Experienced Backend Engineer   **May 2023 – Present**
TheoremOne
- Consultant for the largest and most prominent title insurance company in the United States.
- Single-handedly analyzed a critical .NET core data migration process to identify ways to boost its performance by up to 60%.
- Transformed vague, complex image rendering requirements for legal documents into a team-reviewed architected solution.
- Implemented key features for migrating documents from a legacy DMS (document management system) to a new product.

Full Stack Developer   **Mar 2022 – Apr 2023**
Clevertech
- Acted as a consultant for startups in legal time-tracking, foraging marketplace, and social networking.
- Built an error dashboard with Metabase and ETL techniques for observability, reducing 80% of previously unnoticed critical errors.
- Led the development of a React.js admin frontend for a social network, enhancing user experience and management capabilities.
- Automated support for time-tracking software with Node.js scripts, optimizing MongoDB maintenance and data sanitization.
- Partnered with an esteemed SEO firm to refine search engine optimization for a large-scale Next.js marketplace application.

Senior Software Engineer   **Jan 2018 – Mar 2022**
CI&T
- Worked on a lean digital transformation contract for a major education firm in Brazil with 330,000+ students.
- Created in Vue.js a code impact tool to visualize code dependency graphs, aiding developers and increasing development speed.
- Led the technical architecture of the first MVP frontend project in Vue.js for this digital transformation contract.
- Created a Vue.js/.NET scholarship app with complex API and algorithms to issue discounts based on students' backgrounds.
- Reverse-engineered a Delphi/PL-SQL legacy system into a .NET microservice POC, enabling a new debt workout squad.
- Build ETL pipelines for academic planning and migrated terabytes of content from Blackboard to a proprietary LMS using AWS.

Software Developer   **Apr 2017 – Dec 2017**
Aiko Logic
- Delivered robust .NET Core RESTful APIs for fleet management to mining and agribusiness industries.
- Added various features on the Vue.js/Materialize front for the fleet management application.

Software Developer   **Nov 2016 – Apr 2017**
AeC Contact Center
- Developed a WPF application to automate call center operations that reduced call time by 15% and increased company revenue.

Software Engineer   **Aug 2014 – Jul 2015**
CI&T
- Reverse-engineered functionalities to implement .NET microservices to replace original features written in Classic ASP/PL-SQ
- Integrated a novel payment gateway for clients using ASP.NET and C#.

Junior Software Engineer   **Jun 2011 – Jul 2014**
Hexagon Mining
- Developed C#, WCF, Windows Forms, and WPF apps for open pit and underground mining fleet management and maintenance.

EDUCATION

Bachelor's degree, Computer Science | National University of Ireland, Galway   **2015 - 2016**
Bachelor's degree, Information Systems | Centro Universitário Newton Paiva   **2011 - 2016**