Alisson Rodrigo Santos Prestes

Senior Full-Stack Engineer | Solutions Architect & Technical Mentor

Telêmaco Borba, Paraná – Brazil | Open to Remote or Relocation Opportunities

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Professional Summary

Experienced **Solutions Architect** and **Full-Stack Developer** with 17 years of hands-on experience across a range of technologies and industries. Specialized in **Front-End Engineering**, **Manufacturing Systems Integration**, and **Technical Mentorship**, I bring a solid track record of delivering scalable software solutions, mentoring engineering teams, and aligning technical profiles with business needs.

Proficient in modern web frameworks (**Vue.js**, **React**, **Next.js**), backend stacks (**Node.js**, **Java**, **SAP MII**), and architectural best practices. I have also played key roles in education, innovation communities, and technical interviews. Passionate about accessibility, software craftsmanship, and helping engineers grow.

Technical Skills

Languages & Frameworks: TypeScript, JavaScript, React, Vue.js, Next.js, SAPUI5, ExtJS, Java, Python, C/C++
Styling & Design: Tailwind, Bootstrap, Sass, CSS Modules, Atomic Design, SAP Fiori, MUI, Storybook
State & UX: VueX, Context API, WCAG, Accessibility, UX/UI Design
Data & Integration: REST, SAP MII, Neo4j, SQL, SQL Server, Oracle, PostgreSQL, SQLite
Testing & QA: Jest, Unit Testing, Integration Testing
DevOps & Tooling: Docker, GitHub Actions, Chrome DevTools, Webpack, Vite
Docs & Collaboration: Swagger, Postman, UML, Confluence, Jira, Notion
Practices: Clean Architecture, DDD, TDD, Gitflow, Responsive Design, Public Speaking

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Professional Experience

Solutions Architect & Engineering Mentor (Staffing Tech Partner)

BairesDev
Sep 2022 – Present
Remote – Internal Position

Acting within BairesDev's global talent division, I evaluate and mentor software engineers for placement in technical teams across enterprise clients and high-growth startups throughout the Americas and Europe.

- Conducted over **350 technical interviews and mentoring sessions** across frontend, backend, DevOps, and data engineering roles
- Led **mock interviews and system design simulations** replicating real-world hiring scenarios
- Authored **training resources**, reusable technical templates, and interview frameworks used across the organization
- Participated in **technical discovery sessions with clients** to align staffing needs with required skills and role expectations
- Provided structured feedback to staffing teams, improving the match between candidates and project demands

Top Skills: Technical Mentorship, Interviewing, Talent Assessment, System Design, Stakeholder Communication

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Senior Front-End Engineer (Vue.js)

Rauxa / Formerly Known As (via BairesDev) – Client: **Vans / VF Corporation**
Jun 2021 – Sep 2022
Remote

Worked on high-impact digital initiatives for **Vans**, a globally recognized footwear and apparel brand. Delivered accessible, performant **Vue.js-based applications** across multiple international markets.

- Migrated a legacy product customizer into a modular **Vue.js** architecture integrated with **Three.js** for 3D rendering
- Built **wizard-like flows** using VueX for managing product personalization workflows and global state
- Developed a multilingual campaign site supporting **23 locales** using Vue.js, Bootstrap, and Vue I18n

- Created **unit and integration tests** using **Jest**, contributed to **CI/CD pipelines**, and supported stakeholder demos
- Implemented **GA4 tracking**, contributed to UX decisions, and ensured **WCAG accessibility compliance**
- Campaigns built reached **millions of users globally** and generated over **100K custom submissions**

Top Skills: Vue.js, VueX, Three.js, Accessibility, Multilingual Web Apps

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Manufacturing Systems Consultant

Konitech & Assurance IT (freelance) – Clients: CMPC, Ardagh, Citrosuco
Jan 2019 – Apr 2025 (project-based)
Remote / Hybrid

Delivered consulting projects focused on **SAP MII-based MES** (Manufacturing Execution Systems) and shop-floor integration for clients in the food & beverage, packaging, and pulp & paper sectors.

- Designed and deployed **real-time dashboards** and custom operator interfaces
- Integrated shop-floor devices (scanners, PLCs, scales) with **SAP ERP and MES** systems
- Ensured system stability under production loads and created detailed technical documentation
- Provided user training, field testing, and troubleshooting across plants

Top Skills: SAP MII, MES Systems, Dashboard Design, Industrial Integration, Technical Consulting

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Business Analyst – Manufacturing Systems

Klabin
Jan 2014 – Dec 2016
On-site – Telêmaco Borba

Worked as part of Klabin's internal technology team, supporting **production systems integration** using SAP MII and shop-floor technologies.

- Developed and maintained real-time dashboards for monitoring production lines
- Integrated industrial devices (RFID, sensors, PLCs) with SAP ERP through **custom transactions**

- Supported data analysis and visualization for production, maintenance, and quality areas
- Participated in **continuous improvement projects**, enhancing usability and operator workflows
- Collaborated directly with Engineering, Automation, and IT teams to ensure operational efficiency

Top Skills: SAP MII, Production Monitoring, Real-Time Dashboards, Manufacturing Analytics, Interdisciplinary Collaboration

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Software Engineer – MES Projects

Konitech
Jan 2012 – Dec 2013
On-site – Curitiba & Salvador

Worked on **SAP MII-based MES projects** for clients such as **O Boticário**, **Klabin**, and **Usina São Martinho**, integrating shop-floor systems with SAP ERP and delivering real-time solutions.

- Developed custom MES applications, dashboards, and SAP MII transactions
- Led the **creation of a software factory** in Salvador by training a new team in MES development
- Defined **architecture standards**, coding guidelines, and tools to ensure scalable and maintainable solutions
- Authored documentation, created prototypes, and delivered technical onboarding to engineers

Top Skills: SAP MII, MES Development, Software Architecture, Technical Training, Documentation

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Educator – Web & Software Engineering

Federal Institute of Paraná (IFPR)
Feb 2016 – Dec 2018
On-site – Telêmaco Borba Campus

Served as a professor in undergraduate and technical programs, including the **Bachelor in Systems Analysis** and the **Technical Program in Internet Development**.

- Taught subjects including **Software Engineering**, **Web Technologies**, **Human-Computer Interaction**, and **Computer Graphics**

- Supervised **undergraduate final projects** and mentored students on system architecture and usability
- Participated in curriculum development and promoted real-world application of classroom topics

Top Skills: Teaching, Software Engineering, UX Design, Web Technologies, Academic Mentorship

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Software Engineer (C/C++)

Grupo Meta
Jul 2011 – Jan 2012
On-site – Greater Curitiba

Participated in the migration of a monolithic C/C++ vehicle tracking system to a modular architecture using asynchronous communication and modern tooling.

- Developed modules for processing incoming GPS positioning and sending vehicle commands
- Designed interfaces for structured data exchange using **RPC**, **Apache Thrift**, and **Protocol Buffers**
- Participated in modeling, development, testing, and documentation of the system's lower-level modules

Top Skills: C/C++, System Architecture, Messaging Systems, Protocol Buffers, Unix Systems

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Front-End Engineer

Mentores Comunicação
Aug 2010 – Jul 2011
On-site – Curitiba

Led front-end development of digital campaigns and communication portals, ensuring accessibility, scalability, and maintainability.

- Conducted requirements analysis and use case definition
- Designed user interfaces aligned with **Web Content Accessibility Guidelines (WCAG)**
- Created UML diagrams and internal documentation to support front-end projects
- Oversaw code implementation and testing, leading the front-end development team

Top Skills: Front-End Architecture, Accessibility (WCAG), Use Cases, Agile UX, Team Leadership

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Education

Universidade Estadual de Ponta Grossa (UEPG)
Bachelor's Degree in Computer Engineering
Mar 2004 – Dec 2008

Languages

- Portuguese: Native
- English: Fluent