

Alison Rafael Marinho Gonçalves

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SUMMARY

Senior Full-Stack Engineer with deep expertise across the JavaScript/TypeScript ecosystem, including Node.js (NestJS, Express.js) and modern frontend frameworks (Angular, Vue.js). Experienced in building and scaling production platforms, leading third-party integrations, and applying SRE/DevOps practices to ensure reliability and performance. Comfortable operating with incomplete information, iterating quickly, and taking ownership of complex technical initiatives end-to-end.

SKILLS

- Languages: JavaScript, TypeScript
- Backend: Node.js (NestJS, Express.js)
- Frontend: Angular, Vue.js
- Databases: PostgreSQL, MongoDB
- Cloud & DevOps: AWS, Docker, Kubernetes
- Protocols: HTTP, MQTT, CoAP, OPC UA
- Testing & Quality: Jest, Playwright
- Observability: Datadog, LogRocket
- Practices: Site Reliability Engineering, Functional Programming, AI-Native Development
- Tools: Git

EXPERIENCE

Principal Software Engineer, BairesDev *(September 2021 - Present)*

- Led performance optimization initiatives that reduced critical endpoint response times from seconds to milliseconds through load testing and system improvements.
- Re-architected the file management framework to support data streaming, reducing memory consumption and infrastructure costs.
- Acted as technical lead for multiple complex third-party integrations, coordinating implementation across the platform.
- Drove SRE practices, code reviews, and deployment processes to maintain platform stability and support continued growth.

Senior Software Engineer, labsit *(August 2020 - September 2021)*

- Led a squad of 4-6 engineers, owning architectural decisions, task delegation, sprint planning, and code reviews across frontend deliverables.
- Built an internal Angular component library based on the company's design system, growing it to 50+ reusable components adopted across 6 projects.
- Cut development time for backend engineers working on frontend tasks by at least 50% by enabling UI delivery without deep Angular expertise.
- Mentored engineers on frontend best practices while setting technical direction and coding standards for the team.

Software Engineer, TECLA *(September 2020 - December 2020)*

- Contributed to migrating a legacy mental health records system for ICANotes, a U.S. healthcare software company, to modern web technologies.
- Completed formal HIPAA training and ensured the migration maintained healthcare data privacy and security compliance.
- Participated in agile Scrum ceremonies, collaborating remotely with a U.S.-based, international engineering team.

Software Engineer, Inatel Competence Center *(June 2016 - August 2020)*

- Designed and built an IoT platform from scratch supporting HTTP, CoAP, and MQTT protocols, handling continuous data from 200+ devices sending requests at 1 request per second.

- Integrated the platform across the full INATEL campus, including lighting, sensors, and the main electrical panel, with a real-time visualization application.
- Researched new frameworks and technologies to produce proof-of-concepts and estimations that improved accuracy and speed of project scoping for senior engineers.
- Developed frontend features for a Telecom Plans Design System application for Ericsson, collaborating with cross-functional teams to improve platform functionality and user experience.

EDUCATION

Bachelor of Science, Information Technology, Universidade do Vale do Sapucaí - UNIVÁS
(January 2014 - December 2017)