Alan Henrique Jahnel

Senior Software Engineer | Backend & Full Stack
Chapeco, Santa Catarina, Brazil | Remote LATAM
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Professional Summary

Senior Software Engineer focused on backend and full stack development, APIs, real-time integrations, and legacy modernization. Hands-on experience across B2B SaaS, healthcare, ERP, customer service, and operational software. Builds maintainable services, simplifies architecture, and modernizes existing products incrementally. Experienced in remote collaboration with US-based engineering and product teams, with daily communication in English.

Core Skills

Backend: Node.js, TypeScript, NestJS, Express, Java, Spring Framework, Quarkus, PHP, Python/Django.

Frontend: React, JavaScript, TypeScript, Vite, Next.js, micro-frontends, JSP, jQuery.

Data & Messaging: PostgreSQL, MySQL, Redis, InfluxDB, REST APIs, GraphQL, WebSocket, AWS SQS/SNS.

Cloud & Delivery: AWS, Azure, Kubernetes, GitLab CI/CD. Reporting: Snowflake, Sigma.

Engineering: Architecture simplification, modular monoliths, legacy modernization, integrations, incident support, code review, mentoring.

Professional Experience

National Carwash Solutions

Senior Software Engineer | *Remote, United States* | *Jun 2025 - Aug 2026*

- Built backend services with Node.js, TypeScript, NestJS, PostgreSQL, and InfluxDB for a web version of a mobile-first operational insights product, including device data processing.
- Contributed APIs, integrations, security improvements, and reporting to a legacy Java/Spring/JSP internal ERP platform.
- Created production BI reports using Sigma and Snowflake to support operational and business visibility.
- Prototyped incremental modernization using React, OAuth-based authentication, and API consolidation across Java and Python/Django systems.
- Collaborated daily in English with US-based engineering and product stakeholders.

NextIp

Senior Software Engineer | *Remote, Brazil* | *Jun 2023 - Jun 2025*

- Developed a multichannel customer service and WhatsApp Business platform supporting conversation routing across multiple operators.
- Migrated backend services from Express to NestJS with TypeScript and simplified a multi-service architecture into a modular monolith to improve maintainability and deployment simplicity.
- Migrated the frontend from Next.js to React/Vite after identifying that server-side rendering was unnecessary for the product.
- Built external API integrations and worked with real-time messaging and concurrency using WebSocket, Redis, AWS SQS, and AWS SNS.
- Stabilized an inherited codebase and supported customer-facing bug fixes and incident response. Served as hands-on Tech Lead for approximately four months.

Professional Experience (continued)

Amplimed

Tech Lead / Software Engineer | *Chapeco, Brazil* | *Feb 2022 - Jun 2023*

- Developed healthcare SaaS features across electronic medical records, prescriptions, appointment scheduling, online booking, financial workflows, and mobile applications.
- Led a production frontend modernization from jQuery to React, establishing a componentized foundation and micro-frontend architecture.
- Worked with React, TypeScript, JavaScript, PHP, MySQL, and React Native while maintaining and evolving existing systems.
- As Tech Lead from Dec 2022, supported a team of up to 4-5 developers through technical planning, code review, architecture discussions, training, and incident support.

G3 Sistemas de Informatica LTDA

Software Engineer | *Palmitos, Brazil* | *Nov 2019 - Feb 2022*

- Contributed to the gradual production modernization of an ERP for agricultural cooperatives, moving from legacy COBOL toward Java web applications using WildFly and EXT.js.
- Developed production microservices using Quarkus and PostgreSQL, and contributed to POS and market integrations.
- Built web and mobile solutions with React, Angular/Ionic, React Native, Flutter, and SQLite.
- Took ownership of a technical assistance mobile app, fixing issues, improving usability, and implementing reliable synchronization with the core system.
- Created and improved GitLab CI/CD pipelines and trained two junior developers.

OnlineBR.net

Technical Consultant, Part-time Freelance | *Remote, Brazil* | *Apr 2023 - Sep 2023*

- Helped the internal team resolve infrastructure and support issues through Azure-related troubleshooting and technical guidance.

Independent Freelance Projects

Software Developer | *Remote* | *Nov 2018 - Dec 2022*

- Delivered web, backend, and mobile projects for clients using Node.js, React, React Native, and related technologies.
- Built APIs and interfaces, maintained existing applications, and managed client communication and project execution.

Languages

English: Fluent | Portuguese: Native