

# Joao Victor Dantas Jardim

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## Summary

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Full Stack Software Engineer with 4+ years building TypeScript backend and web/mobile products. Specialized in NestJS, React, Next.js, React Native, PostgreSQL, Redis, and RabbitMQ, with proven delivery on platforms serving 1M+ users and events with 100K+ participants. Focused on resilient payment flows, idempotent webhooks, distributed concurrency control, and event-driven architecture using Domain-Driven Design.

## Experience

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### Bamse

*Mid-level Software Engineer*

Remote, Brazil

*Jun 2025 – Present*

- Build and evolve the OMO Lavanderias (Unilever) ecosystem across iOS, Android, Web, and Desktop, contributing to a platform with 1M+ users and thousands of integrated physical operations.
- Engineered resilient checkout flows with distributed concurrency control (Redlock) and idempotent webhooks, improving reliability in high-concurrency payment and reservation scenarios.
- Designed and shipped critical microservices for orders, reservations, payments, and notifications using NestJS, Fastify, PostgreSQL, Redis, RabbitMQ, and WebSocket on an event-driven architecture.
- Member of the internal AI Committee and mentor in the AI Mentorship program, advising client companies on adopting AI agents (context engineering, harness engineering, skills, MCP, hooks).

### Fox IoT

*Software Engineer*

Santa Maria, RS, Brazil

*Nov 2023 – Jun 2025*

- Built full-stack operational dashboards for electric power distribution, accelerating interpretation of critical indicators for utility teams using React, NestJS, and PostgreSQL.
- Implemented network-failure alerts and integrated remote cut/reconnection commands, reducing field dispatches and operational response time.
- Delivered DRP/DRC regulatory monitoring with auditable file generation for ANEEL compliance.

### Softaliza

*Full Stack Developer*

Santa Maria, RS, Brazil

*Feb 2023 – Nov 2023*

- Designed and shipped an on-site reception system supporting scientific events with 100K+ participants, including registration, label printing, and real-time tracking.
- Reduced application load time by approximately 40% and led the frontend migration from JavaScript to TypeScript across the platform.
- Built scientific paper management with automated DOI document generation and a Node.js utility for dynamic PDF processing; improved delivery reliability with unit and e2e tests (Vitest, Cypress) in CI/CD.

### Softaliza

*Front-End Web Developer*

Santa Maria, RS, Brazil

*Feb 2022 – Feb 2023*

- Built frontend interfaces with focus on usability and performance; contributed to TypeScript adoption and automated test coverage with Vitest and Cypress, supporting continuous delivery improvements.

## Skills

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- **Languages & Frameworks:** TypeScript, JavaScript, Node.js, NestJS, Fastify, React, Next.js, React Native, Expo, Electron, Vite
- **Data & Messaging:** PostgreSQL, SQL, Redis, Redlock, RabbitMQ, WebSocket
- **Architecture & Practices:** Distributed systems, microservices, Domain-Driven Design, event-driven architecture, idempotent webhooks, SAGA, concurrency control, REST APIs, Swagger/OpenAPI, Design Patterns
- **Quality & Delivery:** Unit tests, e2e tests, Jest, Vitest, Cypress, CI/CD, Docker, Git, GitHub, Scrum
- **Languages:** Portuguese (Native), English (Intermediate)

## Education

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### UniFavip Wyden

*Bachelor's Degree in Software Engineering*

Brazil

*Feb 2025 – Feb 2029*

## Certifications

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- Alura – Front-end, Node.js with Express, React JS