

# JOABSON DE SOUZA

## Senior Software Engineer

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### PROFESSIONAL SUMMARY

Senior Software Engineer with **10+ years of experience** building **web and mobile** products and delivering modern, high-performance user experiences, with a strong foundation in **JavaScript/TypeScript, React, React Native, and Next.js**. Experienced in delivering **applied AI** solutions, including **RAG (Retrieval-Augmented Generation)** with ingestion pipelines (document parsing, **chunking**), **embeddings, semantic search**, and integration with **vector databases** (e.g., **pgvector/Qdrant/Weaviate/FAISS**), as well as **LLM integration** (e.g., **GPT-4/Claude**), **prompt engineering**, and guardrails to improve answer quality and reduce operational workload. Strong track record in **automation and orchestration** using **n8n** (workflows, webhooks, API integrations, event/queue-driven flows), connecting systems and accelerating internal processes. Proven practice in front-end architecture, state management (**Redux/React Query/Zustand**), design systems (**Styled Components/Storybook**), testing (**Jest**), and continuous delivery with **Docker** and **CI/CD**, delivering projects across **agribusiness, education, and finance** with a focus on **business impact, scalability, and quality**.

### TECHNICAL SKILLS

**AI & Automation:** RAG (Retrieval-Augmented Generation), LLM Integration (GPT-4, Claude), Embeddings, Document Parsing & Chunking, Semantic Search, Prompt Engineering, **n8n** (Workflows, Webhooks, API Integrations, Automation Orchestration)

**Languages & Frameworks:** TypeScript, JavaScript, React, React Native, Next.js

**State & Data Fetching:** Redux, React Query, Zustand, Context API

**UI & Design Systems:** Styled Components, Storybook, Figma, Component Libraries, Design Systems

**Testing & Quality:** Jest, Unit Testing, Integration Testing, Clean Code, Performance Optimization

**DevOps & Delivery:** Docker, CI/CD Pipelines, Git, Release Management

**Mobile & Integrations:** iOS & Android Deployments (App Store, Google Play), Firebase, Mapbox, REST APIs, Webhooks

### PROFESSIONAL EXPERIENCE

#### ProgramaDev (Remote) | May 2024 – Present

*Founder & Lead Engineer*

- Deliver **custom web and mobile applications** using **React, React Native, JavaScript/TypeScript**, from discovery to production release across multiple client engagements.
- Drive end-to-end delivery across the development lifecycle—**requirements, technical design, implementation, testing, and deployment**—ensuring scalable, maintainable solutions.
- Build **AI-powered chat systems** using **RAG (Retrieval-Augmented Generation)**: document ingestion (parsing, **chunking**), **embeddings, semantic search**, and integration with **vector databases** (e.g., **pgvector/Qdrant/Weaviate/FAISS**) and **LLMs** (e.g., **GPT-4/Claude**).
- Design and orchestrate **20+ automation workflows** with **n8n** (webhooks, API integrations, event-driven flows), reducing manual operational effort by **~30%** through process automation.
- Implement **RBAC** and permission-based access across apps (roles, protected routes, feature access), improving security and governance for multi-user systems.
- Improve reliability through **monitoring & observability (Sentry)**, accelerating incident detection and reducing production issues.
- Leverage **AI-assisted development** (e.g., **Claude Code, Codex**) to accelerate implementation while maintaining quality via code reviews, standards, and pragmatic testing.

## Jaya Tech (Remote) | Jan 2023 – Apr 2024

### Senior Frontend Engineer

- Delivered new product capabilities for **Cropwise Protector (Syngenta)** using **React, React Native, TypeScript**, contributing to core agribusiness workflows.
- Diagnosed and fixed **production issues**, improving **stability and performance**, through targeted bug fixes and performance tuning.
- Collaborated in **Agile** squads with code reviews and engineering standards, supporting consistent delivery through **CI/CD practices** and clean architecture patterns.

## PROFESSIONAL EXPERIENCE

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### Traders Club (Remote) | Jul 2021 – Sep 2022

#### Senior Frontend Engineer

- Built engagement features across web and mobile—**videos, live streams, and chat**—using **React, React Native, Redux, Styled Components**.
- Helped scale consumer experience to support **500,000+ active users** and contributed to **30,000+ new users** through feature delivery and UX improvements.
- Strengthened frontend foundations with reusable components and predictable state management, improving maintainability and release confidence.

### Wiser Education (Remote) | Aug 2020 – Jul 2021

#### Mobile Specialist & Technical Team Lead

- Led mobile development for **WiseUp Online**, scaling user base from **65K → 400K** while maintaining performance and stability on **React Native**.
- Mentored developers and enforced best practices (code reviews, patterns, delivery rituals), improving delivery consistency and reducing regressions.
- Shipped high-impact features and enhancements using **React Native, Redux, TypeScript**, aligned to product goals and growth milestones.

### Stefanini (On-site) | Jun 2018 – Aug 2020

#### React Native Engineer

- Delivered fixes and new capabilities in **React Native + TypeScript**, supporting multiple releases in production environments.
- Partnered with client support teams to resolve critical issues faster, **improving incident response and time-to-resolution**.
- Participated in user sessions and product demos to validate requirements and improve delivery alignment with stakeholder needs.

## EDUCATION

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**Faculdade Cambury** — Information Technology Management (2010)