

Johnny W. Alves

Senior Frontend Engineer | React & Next.js Specialist | Scalable SaaS Applications | Agile & CI/CD Advocate

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Summary

Senior Frontend Engineer with **20+ years of experience** delivering scalable web apps in fintech, telecom, and consumer goods. Expert in **React, Next.js, and TypeScript**, driving **99.9% uptime** and millions of users in high-impact projects for clients such as **Coca-Cola** and Anbima. Currently pursuing a Master's in Computer Science, specialized in **Deep Learning and AI**, with a strong focus on mentorship and CI/CD automation to accelerate software delivery.

Experience (Most recent)

Senior Front-End Engineer | React & Next.js Specialist

WeFit (outsourcing for Porto Seguro) | São Paulo, Brazil (Remote)

Sep 2024 - Present

- Designed a scalable frontend ecosystem for Porto Seguro's brokerage operations using React, Next.js, JavaScript, TypeScript, Recharts and Tailwind CSS, including reusable component libraries that accelerated development by 36% and ensured 100% visual consistency, plus a hybrid SSR/CSR architecture that cut page load times by 36% for high-volume operations. The CI/CD pipeline (Jenkins) with automated tests (Jest, Playwright) and AWS hosting (S3, CloudFront) ensured that every deployment met performance and reliability standards.
- Elevated engineering excellence by leading code reviews, mentoring junior developers in React/Next.js best practices, and proactively mapping errors before users noticed them. I also established comprehensive test suites with Jest (unit/integration) and Playwright (end-to-end), integrated into the CI/CD pipeline (Jenkins), thereby reducing incident response time across all modules and improving release confidence.
- Built high-impact analytical dashboards with Recharts, transforming complex financial data into real-time visual insights that empowered Porto Seguro stakeholders to make faster, data-driven strategic decisions.

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Seguralta | São José do Rio Preto, Brazil

Jul 2023 - Sep 2024

- At Seguralta, I built an insurance platform from scratch using microfrontends (Module Federation), design systems, and integrations with REST APIs and GraphQL (via DatoCMS for headless content), delivering real-time dashboards with load times under 1.5 seconds and supporting peaks of 3x more users without performance degradation.
- Accelerated team growth by mentoring junior developers to independent delivery through structured code reviews and GitFlow practices, and established a continuous validation pipeline with ESLint, unit tests (Jest), and end-to-end tests (Cypress), eliminating regressions and ensuring release confidence.
- Implemented a quality and monitoring ecosystem with New Relic and SonarQube, automating deployments with BitBucket Pipelines and GitLab CI/CD to optimize Core Web Vitals, using Turborepo to manage the monorepo and AWS (S3, CloudFront, Lambda) for hosting and continuous integration.

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Hepta Tecnologia e Informática | São Paulo, Brazil (Remote)

May 2023 - Jul 2023

- Developed the front-end for CREA-SP's electronic ART platform, enabling engineering professionals to digitally register and manage Technical Responsibility Notes, using reusable, type-safe components (React/Next.js/TypeScript) and a consistent, accessible UI library with Chakra UI.
- Designed and implemented a micro-frontend architecture with Module Federation in a monorepo managed with Turborepo, ensuring modularity, scalability, and autonomy for multiple teams to develop and deploy features independently.
- Managed the full development lifecycle in Azure DevOps, including version control, CI/CD pipelines, and automated quality checks, ensuring reliable, efficient, and high-quality releases from build to production.

Education

Master's in Computer Science • UNESP, Brazil (2023 - 2026)

Focus: Digital Image Processing, Advanced Topics in Visualization, and Deep Learning

Specialization in IT Project Management • Fatec Rio Preto, Brazil (2020 - 2022)

Analizo - Textual analysis for corporate communication validation

Specialization in Big Data • Senac São Paulo, Brazil (2018 - 2020)

Proposal for application of Association Rules for online retailers

Bachelor's in Business Informatics • Fatec Rio Preto, Brazil (2015 - 2017)

ForeSeries - An approach to predicting values in time series

Computer Technician • Etec Philadelpho Gouveia Netto, Brazil (2002 - 2003)

Tech Stack

Languages: HTML/HTML5, CSS/CSS3, Java, JavaScript, Python, TypeScript

Frameworks & Libraries: D3.js, Express.js, Gatsby, Jekyll, Module Federation, Next.js, Node.js, React, Redux, Spring Boot, Styled Components, Tailwind CSS

Data & Analytics: SQL Server, MySQL, PostgreSQL, Python, R

DevOps & Tools: AWS, Azure DevOps, BPM, Docker, Git, Jenkins

Languages

English: Professional Working Proficiency (B2 - Intermediate)

Portuguese: Native / Fluent

Courses & Certifications (Most recent)

2026 • **English C1 (Advanced): Effective proficiency** | EF SET

2023 • **Professional Scrum Developer I** | Scrum.org

2022 • **High Intermediate English (B2)** | Voxy

2020 • **Gatsby: Create a site PWA with React, GraphQL and Netlify CMS (9 hours)** | Udemy

2018 • **Games 2D: with Unity and C# (40 hours)** | Senac São José do Rio Preto

2018 • **Data Science and Machine Learning in Python (8 hours)** | Igor Alcantara

2018 • **Language R for Qlik Developers (3 hours)** | Igor Alcantara

2018 • **Introduction to Qlik Sense (3 hours)** | Igor Alcantara

2018 • **Statistics in Qlik (8 hours)** | Igor Alcantara

2018 • **Fundamentals of Data Science (8 hours)** | Igor Alcantara