

# Jonas Emanuel

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## Summary of Qualifications

Senior Fullstack Engineer with 11+ years delivering production-grade systems at scale — including Brazil's largest media platform (Globo, millions of users) and one of the country's top retail groups (Grupo Boticário). I specialize in Node.js, TypeScript, React, and AWS cloud-native architectures, with hands-on experience across the full backend spectrum: event-driven systems with Kafka and RabbitMQ, ETL pipelines with AWS Glue and infrastructure as code with Terraform and Helm.

## Experience

### Senior Software Engineer (Boticario Group) Dec 2022 – Present

**Tech Stack:** Node.js, TypeScript, React, AWS (SQS, SNS, API Gateway, EKS, Lambda), New Relic, Docker, Kubernetes, ETL Pipeline with Glue, Helm Charts, Kafka, Redis, MongoDB MCP, Microservice Architecture, CI/CD Github Action Pipelines

- Reduced bug escape rate by ~30% across quarterly releases by introducing structured coding standards and review processes while mentoring a cross-functional development team.
- Cut page load time of the promotions grid — the system's most critical and frequently accessed view — by ~50% (from 10+ seconds to ~5 seconds) by designing and implementing a cache-aside strategy with Redis, significantly improving user experience for the internal planning team.
- Eliminated unnecessary MongoDB infrastructure costs by rearchitecting the data ingestion pipeline — replacing a pattern that bulk-loaded 100MB+ Parquet files into MongoDB with a solution that stores files directly on S3 and queries them in-place, removing an entire database dependency and reducing storage and compute overhead.
- Delivered a strategic promotions & calendar optimization platform as sole technical owner — from architecture design and ADRs through production launch — enabling data-driven decision-making for the product team.
- Designed and implemented scalable AWS-native backend services, improving system resilience for a high-traffic retail platform.
- Increased infrastructure observability by building a New Relic dashboard tracking RPS, memory, CPU, and database usage across services — reducing MTTR for production incidents.
- Boosted Product Manager productivity by building an MCP server that integrates LLMs with Kanbanize, enabling natural-language queries against Kanban metrics without engineering support.

## **Senior Software Engineer (Storm Group: Globo — Globoplay) May 2022 – Dec 2022**

**Tech Stack:** React, Node.js, GraphQL, A11y, CI/CD Gitlab Pipelines

- Developed and maintained production features for Globoplay, Brazil's leading streaming platform with millions of active users, working directly from Figma prototypes in close collaboration with design.
- Accelerated frontend delivery cycles by building a reusable React component library consuming both REST and GraphQL APIs, reducing implementation time for new features.
- Maintained high delivery quality in an agile environment by enforcing clean code standards, automated testing, and CI/CD practices across the team.

## **Senior Software Engineer (Loft) Jan 2022 – May 2022**

**Tech Stack:** Node.js, TypeScript, Next.js

- Improved reliability of Loft's real-estate technology platform by contributing to backend service maintenance and API stability during a high-growth period.

## **Senior Software Engineer (Globo) May 2019 – Jan 2022**

**Tech Stack:** Next.js, React, GraphQL, SEO, A11y

- Served as tech lead for the Canais Globo product team, architecting and delivering front-end solutions consumed by Brazil's largest media audience at national scale.
- Improved SEO performance and accessibility of high-traffic editorial pages by designing new features with Next.js and React, directly impacting organic reach for one of Brazil's top media brands.
- Translated complex product requirements into maintainable, scalable software architecture through close collaboration with product and design, reducing rework and accelerating delivery.

## **Mid-Level Software Engineer (Fulllab | Retail Solutions) Nov 2017 – May 2019 | Rio de Janeiro**

**Tech Stack:** Vue.js, Angular 2+, Node.js, .NET Core / C#

- Extended RESTful APIs in C# (.NET Core) and built internal dashboards in Angular 2+ and Vue.js, contributing to the evolution of the company's core retail product.
- Participated in architecture decision meetings to help select technologies and frameworks for product evolution.

- Maintained a high-traffic multi-tenancy API in C# (.NET Core) serving dozens of Brazilian e-commerce clients simultaneously, ensuring reliability and data isolation across all tenants under continuous daily load."

### **Junior Software Engineer (Agência Titânio) Apr 2016 – Nov 2017**

**Tech Stack:** PHP (CakePHP, Laravel), Vue.js, JavaScript, MySQL

- Maintained and extended web systems built on PHP and Vue.js, delivering new website features with HTML, CSS, and JavaScript for agency clients.

### **Intern Software Engineer (Imago IT Solutions) Apr 2015 – Apr 2016**

**Tech Stack:** SharePoint, Node.js, MeteorJS, UML

- Maintained SharePoint applications and REST APIs in Node.js/MeteorJS, and documented entire systems with UML sequence, flow, and class diagrams — improving knowledge transfer and onboarding.

## **Education**

### **Instituto InfnetOct 2022 – Sep 2024**

Postgraduate Degree — Software Engineering

### **Estácio de SáFeb 2015 – Dec 2018**

Bachelor's Degree — Information Systems

## **Tech Stack**

AI & LLM Tools: Claude Code, Copilot, Cursor, OpenRouter

Languages: TypeScript, JavaScript (ES2022+), C# (.NET Core), Python (growing)

Frontend: React, Next.js, Angular 2+, Vue.js

Backend: Node.js (Express, NestJS, Fastify), GraphQL, REST, RabbitMQ, MCP

Cloud & Infra: AWS (S3, SQS, SNS, API Gateway, IAM, EKS, EC2, Glue), Kubernetes, Terraform · Docker

Databases: PostgreSQL, MongoDB, Redis, MySQL

Practices: Domain-Driven Design · Clean Architecture · TDD · CI/CD · Microservices · Agile/Scrum

## **Languages**

Portuguese — Native

English — B2 Upper-Intermediate (CEFR)