Rafael Fragoso

Rio de Janeiro, Brazil | rafaelfragosom@gmail.com
linkedin.com/in/rafaelfragosom | github.com/orafaelfragoso | rafaelfragoso.com

PROFESSIONAL SUMMARY

Senior Frontend Software Engineer with over 14 years of experience building scalable web and mobile products, now focused on AI-augmented experiences. Proven success in React, Next.js, Node.js, TypeScript, GraphQL, and cloud-native architectures. Expert in Large Language Model (LLM) integrations (OpenAI/Gemini, LangChain, RAG) and performance optimization, recognized for technical leadership and mentoring in fintech, travel, health, and SaaS sectors.

CORE SKILLS

ReactJS · Next.js · Remix · Astro · React Native · TypeScript · JavaScript · HTML5 · CSS3 · Node.js · GraphQL · Fastify · Express · Python · FastAPI · Ruby on Rails · PostgreSQL · MongoDB · Redis · MySQL · AWS · GCP · Docker · Kubernetes · CI/CD · GitHub Actions · Jenkins · OpenAI · Gemini · LangChain · RAG · NLP · Prompt Engineering · Microservices · API Design · Distributed Systems · Jest · Cypress · AWS Lambda · AWS CloudFront · FFmpeg

PROFESSIONAL EXPERIENCE

TekRecruiter (Contract) | **Senior Software Engineer** | *06/2024 - 08/2025*

- Architected and delivered cross-platform solutions across a Next.js web app and a React Native mobile app, resulting in a 40% improvement in user engagement.
- Implemented an AI-powered content generation system using LLMs (LangChain + OpenAI), which reduced content creation time by 65%.
- Developed a personalized AI ranking algorithm utilizing **Node.js** and **GraphQL**, leading to a **28% increase in session time** and **15% retention improvement**.
- Optimized **GraphQL/Node.js APIs** on **AWS**, achieving a **70% reduction in latency** and supporting **35% more concurrent users**.

Workbits (Contract) | **Senior Software Engineer** | *01/2022 - 04/2024*

- Led development teams, building web and mobile products with Next.js, React, React Native, TypeScript, Node.js, GraphQL, and LangChain.
- Shipped the **Productbot.ai MVP** by integrating **LLMs** to handle over **10K+ daily AI queries** with **92% accuracy**.
- Delivered the Gávea Marketplace mobile app (**React Native** with a **Node.js** backend), contributing to a **$4M seed investment**.
- Automated workflows using **Python** and **Node.js**, resulting in an estimated annual savings of **$250K**.

Lumenalta (Contract) | **Senior Front-end Engineer** | *01/2021 - 01/2022*

- Built and maintained an internal automation tool for AAA Insurance using ReactJS with Vite on the frontend and implementing serverless workflows on AWS Lambda backed by PostgreSQL.
- Collaborated with stakeholders to map operational tasks into automated pipelines, improving efficiency and reliability across internal teams.

X-Team (Contract) | **Senior Front-end Engineer** | *01/2020 - 01/2021*

- Built a social media platform utilizing Next.js and GraphQL.
- Implemented video processing with FFmpeg and AWS pipelines to manage ingestion, storage, and streaming.
- Collaborated on various projects as a senior front-end engineer.

Serasa | **Senior Front-end Engineer** | *05/2018 - 12/2019*

- Led junior and mid-level developers as Front-End Lead, owning the technical delivery of flagship applications (Score and Limpa Nome) built with Next.js and React.js.
- Spearheaded frontend development with React + TypeScript, delivering a new product that reached 180 million Brazilians.
- Managed CI/CD deployments on AWS using Jenkins to streamline releases.
- Implemented a design system with React, which reduced component development time by 40%.

Globo | **Software Engineer** | *04/2016 - 04/2018*

- Built a vanilla JavaScript data-collection library to capture user behavior across high-traffic news portals, handling traffic from 10M+ daily visitors.
- Developed React.js components for internal editorial tools, boosting workflow efficiency by 35%.
- Contributed to company open-source libraries on GitHub, improving team visibility in the developer community.

Earlier Roles - Software Engineer at Lab21k, TIDY; Lead engineer at Gennovacap; Intern at ISPM *2010 - 2016*

- Built an **AngularJS** web application and **Python/Django** service to manage city cameras and incident reporting for the Rio 2016 Olympics, monitoring **1,000+ cameras** with **99.9% uptime**.
- Delivered Olympics 2016 software (**AngularJS** + **Node.js** backend) serving **500K+ daily visitors**.
- Developed a mobile-first **AngularJS** application for TIDY Homekeeping, enabling homekeepers to view schedules and message clients.
- Led and coordinated remote development teams across India and Brazil at Gennovacap, delivering **12+ projects** with diverse stacks including **Ruby on Rails, Laravel,** and **WordPress**.
- As a Software Developer Intern at ISPM, built new features for embedded **Python** applications and developed interactive, API-integrated UI components using **Sencha ExtJS**.

EDUCATION

B.Sc. Systems Analysis and Development — Estácio (Expected July 2026)
Technology Technician (HS) — Lemos de Castro, 2011

CERTIFICATIONS

AWS — AWS Cloud Practitioner (04/2018)
British Council — IELTS (04/2018)

PROJECTS

Discord Tech Community - Founded and grew a developer community (1,000+ members) sharing resources on interviews, personal branding, and coding skills.

LANGUAGES

Portuguese - Native
English - Fluent