

# RODRIGO FERNANDES

Full-Stack Developer | React | TypeScript | Node.js | AWS

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## PROFESSIONAL SUMMARY

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Full-Stack Developer with 5+ years of experience building and scaling SaaS products for US and Brazilian startups. Specialized in React, TypeScript, and Node.js, with hands-on experience in AWS cloud infrastructure (Lambda, SQS, S3), workflow automation engines, and AI-powered features. Proven track record shipping end-to-end features, from database design and REST APIs to design systems and complex UI, in fast-paced, remote-first environments. Former Tech Lead with strong testing culture (Jest, Cypress) and end-to-end type safety practices (tRPC, Zod).

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, PHP, SQL, HTML5, CSS3/SCSS

**Frontend:** React, Next.js, Redux, Zustand, Tailwind CSS, Vite, Design Systems, Storybook, Monaco Editor, Figma

**Backend:** Node.js, Express, AdonisJS, tRPC, REST APIs, Zod

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase

**Cloud & DevOps:** AWS (Lambda, SQS, S3, containers), Docker, GitHub Actions, CI/CD, Git, GitHub, Bitbucket

**Testing:** Jest, React Testing Library, Cypress (E2E), TDD

**AI & Tooling:** LLM integrations, AI workflow automation, Cursor, Claude, OpenAI Codex, Linear, Jira, Notion, Confluence

**Other:** SEO & Web Performance Optimization, WordPress, PrestaShop, Twig, Agile/Scrum, Code Review

## PROFESSIONAL EXPERIENCE

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### Full-Stack Developer | 09/2024 - Present

*MindCloud | Clearwater, FL, USA (Remote)*

- Designed, built, and delivered a full web platform for CMJ — Conselho Mudando o Jogo as the sole developer, using React on the frontend, AdonisJS (Node.js) on the backend, and AWS for cloud infrastructure and deployment.
- Built the entire execution engine for **Cirra**, a greenfield AI-native automation product, powering workflows, schedules (recurring AI prompts), and event-based triggers (e.g., run an AI prompt on every incoming email).
- Led development of the **Embedded SaaS** feature, generating \$100k+ in new contracts, enabling clients to offer white-label integrations to their own end users: designed new database schema (end users, installations), built new API routes, and shipped an embeddable JavaScript SDK modal for installing, customizing, and authenticating workflows.
- Architected workflow execution on AWS: containers for running workflows, Lambda and SQS for queue processing, and S3 for storing outputs and assets.
- Developed the platform's AI chatbot and implemented intelligent autocomplete for the Monaco-based code editor used in workflow code steps.
- Work daily with AI-assisted development tools (Claude, OpenAI Codex, Cursor) and manage tasks with Linear; containerize services with Docker.

### Full-Stack Developer (Freelance) | 01/2024 - 09/2024

*Self-Employed | Remote*

- Designed, built, and delivered a full web platform for CMJ - Conselho Mudando o Jogo using React on the frontend, AdonisJS (Node.js) on the backend, and AWS for cloud infrastructure and deployment.
- Owned the entire project lifecycle, requirements gathering with non-technical stakeholders, architecture, development, and production deployment, taking the platform from concept to live product single-handedly.
- Delivered additional full-stack web development projects for clients using React, TypeScript, and [Node.js](https://node.js).
- Strengthened autonomy, scoping, and client-communication skills by managing deliverables, timelines, and expectations directly with clients, experience that now informs how I estimate and own features in product teams.

### Full-Stack Developer (Tech Lead) | 10/2022 - 12/2023

*Aerial | Seattle, WA, USA (Remote)*

- Developed a compliance and due-diligence SaaS that helps startups become investment-ready: documents are categorized by a proprietary AI model that flags compliance red flags for founders.

- Served as Tech Lead in a 5-person engineering team, owning features end-to-end, performing code reviews, and writing technical documentation in Notion.
- Built the application with Next.js, React, TypeScript, Node.js, tRPC, and MongoDB, achieving 100% end-to-end type safety from database to UI with tRPC and Zod validation.
- Developed key product features including the document viewer (compliance-issue modal), the multi-company switcher, and integrations with DocuSign (e-signatures) and SendGrid (transactional email).
- Implemented Cypress end-to-end test coverage from scratch and wrote GitHub Actions CI/CD pipelines across local, canary, staging, and production environments.
- Managed authentication with Firebase, global state with Zustand, styling with Tailwind CSS, and component testing with Jest, React Testing Library, and Storybook.

### **Frontend Engineer | 01/2022 - 10/2022**

*Intuix Tecnologia | Barueri, Brazil (Remote)*

- Built from scratch the frontend of a compliance-certification SaaS (e.g., ISO 9001) that lets companies capture photo and audio evidence of conformity, using React, TypeScript, Jest, React Testing Library, and Cypress on a Node.js/AWS backend.
- Implemented the company design system: translated Figma specifications into a reusable React component library published as a private NPM package and consumed across multiple projects.
- Developed complex, fully typed components — including a custom audio recorder — with strict TypeScript and comprehensive unit tests.
- Created an internal component showcase page for the design system and authored technical documentation in Confluence.

### **Full-Stack Developer | 09/2020 - 12/2021**

*Lenscope | Campinas, Brazil (Remote)*

- Developed and maintained the storefront of a 100%-online eyewear e-commerce startup built on PrestaShop, using PHP, Twig, JavaScript, HTML, CSS, and MySQL.
- Built customer-facing features such as a prescription-based price calculator (myopia, astigmatism, and other lens parameters) and landing pages for marketing campaigns.
- Contributed to a Next.js/React virtual try-on application with a camera-based 3D simulator that lets customers preview eyeglass frames on their own face, including Node.js API work.
- Led SEO and web performance optimization across store pages, raising Google PageSpeed performance scores from ~40 to ~80 and SEO scores from ~70 to 100.
- Maintained and extended the WordPress company blog (plugins and custom development); collaborated via Git and Bitbucket.

## **EDUCATION**

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### **Software Engineering (coursework completed toward degree) | 01/2020 - 12/2021**

*Universidade de Brasília (UnB), Brasília, Brazil — Relevant coursework: Data Structures, Computer Networks*

### **Aerospace Engineering (coursework completed toward degree) | 08/2016 - 12/2019**

*Universidade de Brasília (UnB), Brasília, Brazil — Relevant coursework: Algorithms, Computer Networks*

## **LANGUAGES**

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**English:** Fluent (daily working language) | **Portuguese:** Native