

Rodrigo Eduardo Dantas Barbalho

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Experience

Bitflow Finance

United States (Remote)

Full-Stack Developer (Frontend-Focused)

Jun 2023 - Present

- Led and delivered core frontend features for a Bitcoin-focused decentralized exchange (DEX) used by 10k+ users, contributing to a platform processing \$1M in daily trading volume.
- Designed and built the complete UI for advanced DeFi features, including HODLMM dashboards, interactive charts, and real-time data visualizations.
- Migrated a legacy Angular 12 codebase to Next.js and implemented TanStack Query for efficient data caching and synchronization.
- Developed a transaction indexing service to persist on-chain data, enabling accurate APY and volume calculations across the platform.
- Aggregated and normalized data from multiple external APIs (e.g., Coingecko, LunarCrush, Best in Slot) to power token exploration dashboards.
- Collaborated with an international, fully remote team, participating in daily technical discussions, code reviews, and architectural decisions in English.
- Reviewed pull requests and contributed to frontend best practices, improving overall code quality and consistency.

Instituto Metrópole Digital (IMD/UFRN)

Brazil

Full-Stack Developer

Aug 2024 - Apr 2025

- Developed the Sebito Platform, an intelligent management system for Brazilian research support foundations, from initial development through the first production-ready modules.
- Acted as the main frontend contributor within a 4-developer frontend team, working closely with the technical lead to define UI patterns and component architecture.
- Built responsive and accessible interfaces using React, Next.js, TypeScript, and Tailwind CSS, focusing on usability and long-term maintainability. Also, implemented backend endpoints and performed targeted fixes using Java and Spring MVC, supporting core platform workflows.

NUPLAM / IMD / UFRN

Brazil

Full-Stack Developer

Jul 2022 - Dec 2023

- Contributed to OPDigital and SIGNUPLAM, integrated management systems covering HR, finance, inventory, personnel administration and automated factory operations within a research and manufacturing environment.
- Developed web interfaces using React, Next.js, and TypeScript, integrating with backend services built in Java and Spring WebFlux, using both relational (PostgreSQL) and non-relational (MongoDB) databases across different modules.

Skills

- **Technical:** JavaScript, TypeScript, React, Next.js, HTML5, CSS3, Tailwind, TanStack Query, React Hooks, Context API, REST APIs, HTTP, Git, NPM, Vite
- **Language:** Portuguese (Native), English (Upper-Intermediate)

Education

Universidade Federal do Rio Grande do Norte

Natal, Brazil

Bachelor's Degree in Information Technology (IT)

Mar 2022 - In Progress (expected Jul 2026)

Instituto Federal do Rio Grande do Norte

Parnamirim, Brazil

Technical Degree in Computer Science

Feb 2018 - Feb 2022