

Ademir José Ferreira Júnior

Full-Stack Software Engineer

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Summary

Full-stack software engineer building web and desktop applications with React, TypeScript, Node.js, and PostgreSQL. Experienced with typed APIs, authentication, relational databases, automated testing, CI/CD, Rust, and Tauri.

Skills

Front-end JavaScript, TypeScript, HTML, CSS, React, Next.js, Tailwind CSS	Back-end Node.js, Express, PostgreSQL, Prisma, MongoDB, GraphQL	Testing Vitest, Jest, Testing Library, Playwright, Storybook
Infrastructure Git, Docker, GitHub Actions, Vercel, Fly.io, Cloudflare R2	Additional Rust, Tauri, WebAssembly, Svelte	

Projects

Nexus | Full-Stack Link-in-Bio Application | nexusapp.fly.dev 2025
Next.js · TypeScript · Node.js · Express · PostgreSQL · Prisma · Docker

- Designed a monorepo with shared Zod schemas, keeping front-end forms, API inputs, and TypeScript contracts synchronized across applications.
- Implemented coordinated session renewal, uploads with SHA-256 deduplication, PostgreSQL migrations, automated tests, and continuous deployment to Fly.io.

Leafdown | Open-Source Markdown Editor | github.com/Azganoth/leafdown 2026-Present
React · TypeScript · Tauri · Rust · Zustand

- Developing an open-source Markdown editor with a hybrid reading and editing surface and a projection system that preserves document structure during edits.
- Integrated native file operations and directory monitoring with Rust and Tauri, and released the first Windows alpha with automated verification.

Fix My Halo | Web and CLI Image-Processing Tool | fixmyhalo.vercel.app 2026
React · TypeScript · Rust · WebAssembly · Web Workers

- Built a Rust processing core compiled for both WebAssembly and a native CLI, maintaining the same algorithm across both distribution formats.
- Kept the interface responsive with Web Workers, parallelized batch processing with Rayon, and released the tool for RimWorld modders to repair texture artifacts.

Other Projects

- Pixel Icons: Published VS Code icon theme with more than 1,000 installations and automated CI/CD.
- Tree-sitter Lua: Lua 5.4 grammar published on npm; 10 releases, 50+ stars, 20+ forks, and three external pull requests reviewed and merged.

Education

UNISUL	Bachelor's Degree
Computer Science	2017-2021

Languages

Portuguese	English
Native	Advanced