

FELIPE GADELHA

SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE

FlowBit Tech, Mid Software Engineer

January 2025 - Present

- Designed and developed a scalable real-time communication architecture using **Node.js**, **TypeScript**, **Express**, **Socket.io**, and **Prisma**, supporting multi-database operations. Constructed a complete REST API, establishing a robust test environment with **Jest** and **Supertest** to ensure reliability across critical use cases and API endpoints.
- Created a high-performance, user-friendly platform with **React**, **TypeScript**, and **TailwindCSS**. Delivered an interactive map using **Leaflet** to display users nationwide and used **react-pdf** for effective PDF handling. Enhanced form usability with **React Hook Form**, **use-mask-input**, and **Zod**. Improved overall performance through lazy loading, pagination, and optimized data flow—reducing initial load time by 45% and decreasing API request volume by approximately 30% in high-traffic environments.
- Added **Firebase Storage** to enable secure and efficient uploads of images, audio, and PDF files. Built real-time presence tracking (online/offline), achieving 98% presence-sync accuracy, and architected a notification system with **Firebase Cloud Messaging (FCM)**, delivering over 12,000 notifications per month with a failure rate below 1%. Established a complete **CI/CD** workflow using **Docker** and **GitHub Actions**, improving deployment speed and reliability.

Síntese BI, Junior Software Engineer

August 2023 - December 2024

- Implemented automated report generation using **Node.js Workers**, **pdf-lib**, and **Nodemailer**, reducing manual reporting effort by 70%. Built a complete Authentication & Authorization flow using **NestJS**, and set up **CI/CD pipelines** with **GitHub Actions** + **AWS**, cutting deployment time from 15 to 10 minutes and increasing release frequency by 20%.
- Refactored a legacy frontend, rewriting it with **React**, **TypeScript**, and **TailwindCSS**. Integrated **react-pdf** and **Chart.js** to support PDF report creation and improve data visualization.
- Engineered the entire frontend for a new internal project using **Next.js**, **Shadcn UI**, **TailwindCSS**, and **TypeScript**, ensuring a scalable and modern user experience.

Center Cartuchos, Software Engineer Intern

November 2021 - February 2022

- Updated categories and filters to enhance site navigation and conversion rate using **React.js**, improving navigation speed by 20% and increasing product discovery.

- Modified the payment system using **Stripe**, reducing payment errors by 15% and improving transaction reliability.

EDUCATION

UNIASSELVI – Leonardo da Vinci University

2023 - Currently

Systems Analysis and Development

ADDITIONAL INFORMATION

- **Languages:** English, Spanish, Portuguese
- **Certifications:** Agile Software Development (October 2022), The Complete Node.js Developer Course (May 2023), Microservices With Node.js and React (May 2023), EF SET English Certificate 62/100 (C1 Advanced) (October 2024)