

Luiz Filipe Bandeira Alves

Software Engineer

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SUMMARY

Software Engineer with 10 years of experience, specialized in TypeScript, Node.js and distributed systems architecture. I conceived and single-handedly built two multi-tenant SaaS platforms currently in production: RanGO, a delivery and management system for restaurants, and Acesso Club, a loyalty platform with over 3,000 active users. I work with microservices, messaging and payment integrations, including pixhub, a Pix payment centralizer integrated with Sicredi.

PROFESSIONAL EXPERIENCE

ORUL tech — Araguaína, Tocantins, Brazil

Software Engineer (2021 – Present) · **Mid-level Delphi Developer** (2018 – 2021) · **Junior Delphi Developer** (2017 – 2018) · **Technical Support** (Mar 2016 – 2017)

Four promotions in ten years, from technical support to software engineering, transitioning from Delphi/ERP to distributed systems architecture in Node.js and TypeScript.

- Built and maintain **pixhub**, a Pix payment centralizer in microservices (NestJS, RabbitMQ, Redis), integrated via mTLS with Sicredi and processing **thousands of transactions per month**, architected to support multiple financial institutions.
- Built **toty service**, the backend of the Toty ecosystem (NestJS, TypeORM, PostgreSQL, MongoDB), and its interfaces **toty console** (React) and **toty client** (Electron).
- 2017–2021: Delphi development on ERP systems — interfaces, REST integrations and data access with FireDAC.

PRODUCTS I BUILT

Platforms I conceived, architected and developed end to end, currently running with real customers.

RanGO — SaaS for restaurant delivery and management

BaseUp · 2024 – Present · CTO and technical lead · rangodelivery.com

A complete delivery system with no per-order commission, taken from scratch to production with paying customers.

- Digital menu, real-time orders over WebSockets and a mobile waiter app with tabs and tables synced across devices.
- Payments through Mercado Pago (PIX, card, automatic split, recurring subscriptions), WhatsApp service automation, and integrations with iFood and NFC-e.
- AWS Cognito authentication, RBAC with CASL, asynchronous processing with BullMQ, Turbo monorepo, CI/CD through GitHub Actions and **test coverage above 90%**.

NestJS · Fastify · Next.js · React Native/Expo · Prisma · PostgreSQL · Redis · Socket.IO · Docker · AWS · Playwright

Acesso Club — Loyalty and gamification platform

Vantaggi · 2025 – Present · CTO and technical lead · meuacessoclub.com.br

A platform that turns visits into rewards, connecting consumers and local businesses through points, challenges, prize draws and QR code validation. **Over 3,000 active users**.

- NestJS API with CQRS, BullMQ queues on Redis, Swagger, rate limiting and i18n.
- Cross-platform Flutter app with biometrics, secure storage, push notifications, deep links and in-app purchases.
- Two payment gateways (Mercado Pago and Asaas) and notifications via Firebase and Twilio.

NestJS · Prisma · PostgreSQL · Redis · Next.js · Tailwind · shadcn/ui · Flutter/Dart · MobX · Supabase · Firebase

OPEN SOURCE

nespress · github.com/luizfbalves/nespress

A TypeScript library wrapping Express to define routes through decorators, with simplified controller registration. Authored and maintained by me.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, SQL, Delphi

Backend: Node.js, NestJS, Fastify, Express, Bun, REST, WebSockets, CQRS, microservices, BullMQ, RabbitMQ, Prisma, TypeORM

Frontend & Mobile: React, Next.js, Tailwind CSS, shadcn/Radix, TanStack Query, Zod, Zustand, React Native/Expo, Flutter, Electron

Infra, Cloud & DevOps: Docker, AWS (Cognito, S3, SNS, Lightsail), Vercel, Supabase, Firebase, GitHub Actions, monorepo (Turbo), Nginx, Redis, mTLS

Databases: PostgreSQL, MongoDB, SQL Server, Oracle

Testing & Quality: Vitest, Jest, Playwright (E2E), ESLint, Prettier, Husky

Integrations: Mercado Pago, Asaas, Pix, WhatsApp Business API (official), iFood, NFC-e, Twilio, Apple Sign-In/IAP

EDUCATION

UNOPAR — Analysis and Systems Development, Higher Education | January 2015 – December 2017

LANGUAGES

Portuguese — Native | **English** — Intermediate