



WALBER FELLIPE

SENIOR FULL STACK ENGINEER AI ARCHITECT


REACT | NEXTJS | TYPESCRIPT | NODEJS | LLM ORCHESTRATION | AI AGENTS

PROFILE

I'm a Full Stack Software Engineer with 6+ years of experience, specialized in frontend architecture and scalable backend systems. I've led development across fintech, e-commerce, real estate, and loyalty platforms — delivering high-performance solutions to tens of thousands of users.

DETAILS

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EDUCATION

UNIARAXÁ

BRAZIL- Araxá/MG

Software Engineer

2018 - 2021

UNIPDS

BRAZIL- Araxá/MG

Software Engineering with Applied AI

2026 - 2027

TECH & SOFT SKILLS

- React
- NextJS
- Design System
- MongoDB
- NodeJS
- Flutter
- Dart
- Yarn
- npm
- GIT
- Wordpress
- Elementor
- PHP
- pnpm
- GraphQL
- Babel
- Redux
- Figma
- Proactive
- Can be a Team Player and Self-Sufficient
- Communication
- Time Management
- LLMs, MCP and RAG
- Claude and Cursor
- Agentic Workflows

PROFESSIONAL DEVELOPMENT

- Modern Web Development with JavaScript (Complete) + Projects — COD3R / Udemy (Sep 2019)
- OmniStack Week 11 (Bootcamp) — Rocketseat (Apr 2020)
- Startup Weekend Araxá 2019 — Sympla (Oct 2019)

LANGUAGES

- Portuguese (Native)
- English (Intermediate)

EXPERIENCE

CIBUS TECNOLOGIA (Brazil) - Jr. Full Stack Engineer - 02/2020 - 04/2022

- Created a gamification system
- Improvement in endpoints to improve the performance of the administrative system.
- Addition of tables, graphs and possibility of exporting data in CSV and PDF.

Tech: React, React Native, React Hooks, Redux, Bootstrap, CSS, TypeScript, Github Actions, React Testing Library, GraphQL, AWS, NodeJS, Apollo Client.

Toodoo (Brazil) - Jr. Full Stack Engineer - 03/2022 - 02/2023

- Updated a legacy system to React with micro front-end.
- Used Jest to perform unit testing of components.
- Custom hooks were created for navigation and data fetching.

Tech: React, React Native, React Hooks, ContextAPI, CSS, TypeScript, Jest, Storybooks, Github Actions, GraphQL, Apollo Client, Micro Front-end.

Strings Brasil (Brazil) - Front-end & Mobile Engineer - 09/2022 - 01/2024

- Developed in Angular a QR Code generation system for making payments and a polling system, in global status, to regularly check whether the payment was approved.
- Implemented skeleton loadings on all screens
- Developed a process for gift draw.
- Created the entire checkout system for the application.
- I was leader of the front-end team after the app was launched.
- Help and Instruct more junior engineers.
- Developed a comprehensive component catalog using Widgetbook, similar to Storybook, for a Flutter application. Cataloged and documented all UI components used in the app, facilitating project maintenance and scalability.

Tech: Angular, PrimeNG, HTML, TypeScript, SASS, Cognito, AWS, Dart, Flutter, Widgetbook, Github Actions.

WebJump! (Brazil) - Front-end Engineer - 12/2023 - 09/2024

- Worked on a legacy system, improving its performance, adding responsiveness, and ensuring the best possible user experience.
- Also I enhanced performance according to Core Web Vitals metrics and applied SEO best practices.
- I work on two different teams, being the only front-end developer on both.

Tech: Magento2, CSS, TypeScript, HTML, PHP, Bitbucket, Azure, PostgreSQL

EXPERIENCE

Diagonal Social (Brazil) - Full-Stack Engineer - 09/2024 - Present

Working as a Full Stack Developer and DevOps engineer, leading the migration, maintenance, and evolution of complex systems used by public sector entities and internal company operations. Responsible for full-cycle development – from database design to production deployment with CI/CD – along with writing technical documentation and implementing automated testing strategies.

Key Contributions:

- Titula.ai – Real Estate Regularization Platform

Developed with Laravel and Blade, designed to support multiple municipalities across Brazil. Responsible for full system development, including architecture, feature implementation, and internal documentation.

- Legacy Application Migration to AWS Infrastructure:

Migrated several Node.js and React-based applications to AWS, using EC2, PM2, Cloudflare, CloudFront, and GitHub Actions for automated deployment.

Applications migrated:

- Regulariza.ai – GIS-based housing regularization system
- Portal do Morador – Public access portal
- Comercial Diagonal – Internal commercial management system (limited disclosure)
- Smart Síndico – App for condo managers and residents, also migrated to the new infrastructure (see below)

- Automated Testing with Prisma:

Implemented integration tests for Prisma models, covering core CRUD flows to ensure platform stability and minimize regressions during development cycles.

- Smart Síndico – Condominium Management Platform

Managed backend deployment (Node.js) with Docker on AWS EC2.

Migrated the entire application infrastructure, including Flutter-based web and mobile versions.

Handled app publication on Google Play and Apple Store.

Integrated with the Asaas API to centralize bill creation and payment management for residents and building managers.

- Technical Audit and Risk Analysis

Authored technical reports identifying architectural and operational risks in legacy applications. Defined immediate priorities and long-term roadmap for platform stabilization and safe feature rollout.

Tech: Laravel, Blade, Svelte, Laragon, PostgreSQL, MySQL, Next.JS, Prisma, Node.JS, Vite, TypeScript, Amazon Cognito, Amazon S3, Docker, React, Chakra, PHP, Ploi, Amazon EC2, Redis, Flutter, -Actions, Cloudflare, Cloudfront, Cursor, Claude, LLM.

EXPERIENCE

Arpejo Publicidade (Brazil) - Wordpress Freelancer - 01/2025 - 09/2025

Freelance WordPress/Elementor work across multiple marketing and e-commerce sites. Delivered end-to-end builds and ongoing maintenance, combining custom PHP, asset/design adjustments, performance/SEO improvements, and hosting operations.

Key Contributions:

- Built new sites from scratch with WordPress + Elementor; created child themes, custom templates/hooks, and reusable sections.
- Maintained and refactored legacy sites: plugin/theme updates, security patches, and compatibility fixes.
- Adapted and created design assets in Photoshop/Illustrator (product/packaging images, color variants, responsive image sets) to keep layouts consistent across devices.
- Improved performance/SEO: WebP conversion, lazy loading, caching, basic structured metadata, and layout stability (CLS/LCP).
- Managed releases and infra on shared/VPS hosts via cPanel/SSH (backups, migrations, DNS tweaks, rollback plans).
- Selected work: performanatural.com.br, santamassa.com.br, unnapet.com.br, ottimapet.com.br, nutrivepet.com.br, solito.com.br, acqualimp.com.

Techs: WordPress, Elementor, PHP, MySQL, HTML, CSS, JavaScript, Git, cPanel/SSH, Apache/Nginx, Adobe Photoshop, Adobe Illustrator, Claude.

Orca Analytics (United States) – Backend Freelance (Slack automation microservice) – 09/2024 – 11/2024

Short freelance engagement to deliver a production-oriented Node.js/TypeScript microservice that automates Slack reporting for internal teams: templates and schedules in Supabase, BigQuery execution with tenant/company context, HTML table generation with conditional formatting, PNG rendering via Puppeteer, image hosting on Google Cloud Storage, and final delivery through the Slack Web API (Block Kit, placeholders, parent/child threading). Included job scheduling (cron + timezone), Redis/BullMQ workers, Fastify HTTP API with Zod validation, Prometheus metrics/health checks, and Cloud Run deployment guidance (Puppeteer image, scaling/worker constraints).

Key Contributions:

EXPERIENCE

- Designed and implemented the end-to-end pipeline: fetch template → run SQL → build visualization → upload asset → resolve placeholders → post to Slack (including thread ordering for child messages).
- Built a Fastify service with authenticated endpoints for scheduling, immediate execution, SQL testing, and template debugging; integrated BullMQ repeatable jobs and separate workers for reliability.
- Implemented BigQuery and GCS clients, plus Slack token handling from Supabase, with structured logging and metrics for operability.
- Delivered HTML-to-image rendering and configurable visualization rules (alignment, numeric/currency/percent formats, conditional color scales) driven by stored JSON config.
- Documented Google Cloud Run deployment (Puppeteer Dockerfile, memory/timeout, min-instances for always-on workers) and operational practices (logs, rollbacks).

Techs: TypeScript, Node.js, Fastify, BullMQ, Redis, Supabase, BigQuery, Google Cloud Storage, Google Cloud Run, Slack Web API, Puppeteer, Zod, Prometheus, Docker, Git, Cursor.