Bruno Gomes de Carvalho

Senior Software Engineer · Frontend / Full Stack

React · TypeScript · Node.js

Itatiba, São Paulo, Brazil · bruno@brunocarvalho.me · linkedin.com/in/bgcarvalho89 · github.com/bcarvalho89

SUMMARY

Senior Software Engineer with **12+ years** building web products with React, TypeScript and Next.js, with backend experience in Node.js and GraphQL. I take work from Figma to production support and use AI coding agents daily, reviewing what they write. I've worked remotely in English with teams abroad (advanced English, native Portuguese).

HIGHLIGHTS

- Cloud platform: helped migrate Liferay's Cloud Console (PaaS), used by **100+** paying customers, from MetalJS to Next.js, React and GraphQL.
- Truck navigation: moved a React Native app to the HERE SDK for truck-safe routes, testing on the road with low-powered tablets.
- Micro-frontends: created the architecture of a Pix back-office and helped build a US logistics platform, with a shared CI pipeline in **10+** micro-frontends.
- AI tooling: built an internal Claude plugin, a skill and an MCP server, tested a Gemini PR review agent, and use Claude to understand legacy code.

WORK EXPERIENCE

Senior Software Engineer, Contract · US logistics technology company

Jan 2026 – Oct 2026 · Remote, Brazil · Mobile, product and foundation squads

- Migrated navigation in a React Native tablet app used by truck drivers from Mapbox to the HERE SDK for truck-safe routes. Tuned performance for low-powered tablets and tested routes by driving them.
- Defined the architecture of the app's v2 MVP with XState and built Waze-like navigation with routes, search, POIs and weather alerts along the route with OpenWeatherMap. It was dropped before rollout when the company shifted to native apps.
- Helped implement and maintain the frontend architecture (shell, façade and micro-frontends) of the platform that replaced the company's legacy systems, and migrated about **80%** of the CRM, its largest module.
- Led UI standardization across micro-frontends and built a shared CI with reusable GitHub Actions workflows, rolled out to **10+** of them, covering typecheck, lint, tests, coverage and build.
- Built a lint-debt ratchet that compares violations with the merge base, so only new debt fails the check, and versioned the workflows with tagged releases so changes roll out safely across repositories.
- Maintained and added features to the company's TMS, load board, truck board and CRM applications.
- Maintained the component library following the designers' guidelines, and added a Claude skill and MCP server so developers could check how to use each component.
- Built and maintained an internal Claude plugin, and was testing a Gemini PR review agent that flagged style overrides, duplicated components and other design system issues.
- Built CRM features for a new carrier-placement product, including carrier profiles and deal submissions, across the frontend and the API, using AI tools on the backend.
- Traced a pnpm audit failure that broke builds across micro-frontends and fixed it in **13** repositories in a day and a half.
- Started monitoring e2e test coverage of critical paths.

Senior Software Development Engineer · Liferay

May 2021 – Jun 2026 · Remote, Brazil (worldwide team) · Cloud and CMS teams

- Helped migrate the Cloud Console (PaaS), used by **100+** paying customers to deploy the company's CMS (Liferay DXP) and Docker services and manage environments, logs, network, VPN and CDN, from proprietary MetalJS to Next.js, React and GraphQL, with old and new apps side by side on Kubernetes.
- Finished moving the console's remaining domains into NX modules to optimize CI build and test time, and upgraded Tailwind CSS from v1.9 to v3.4.
- Used Apollo Client and its cache to manage the console's GraphQL data.

- Built Marketplace app deletion and restart, in both the API and the console.
- Built member management and role assignment for CMS Spaces, working with the backend team on unclear requirements and missing endpoints, in a team mostly based in Spain, all in English.
- Built a Gallery View for file sections, with cards, previews and a carousel, reusing the existing preview code.
- Fixed **20+** bugs, from P4 to P1, in a single review cycle, and made tests easier to maintain with better mocks and reusable test code.
- Used Claude to understand legacy code and Java services while working across the codebase.
- Mentored junior and mid-level engineers and reviewed pull requests.

Systems Analyst · Matera

Jun 2017 – May 2021 · Campinas, Brazil · Engineering Division, Payments

- Created the micro-frontend architecture and built the frontend of a back-office for Pix control and auditing, and worked on its design system.
- Built features for a white-label banking app that helped client banks enter digital banking and see how to use the company's APIs.
- Maintained and added features to a large banking app.
- Mentored junior and mid-level engineers, reviewed pull requests and interviewed candidates for similar roles.
- Placed as an outsourced developer at clients like Luiza Labs and Buscapé.

Web Developer · Oxigenium

Feb 2014 – May 2017 · Itatiba, Brazil · Digital agency

- First hire at a new digital agency and its only developer for years. Made the technical decisions.
- Delivered **30+** projects, including websites and small systems, working directly with clients.

PROJECTS

- Rasante: built on my own an invite-only flight price alert product, with Next.js, React, Tailwind, Supabase (Postgres, Auth, RLS), Resend, Playwright and the Telegram Bot API, self-hosted on a VPS with Caddy. The Python price-check jobs were built with AI help.
- Portal das Aves: developer of a marketplace for Brazilian bird breeders, with listings, breeder profiles and a mutation cross simulator, working with a product owner and a designer. Next.js, React, Tailwind, shadcn/ui, Supabase (Postgres, Auth, Storage, RLS), Resend and Vercel.
- TCI: built, as a freelance project, the bus schedule system for the city's only public transport company. Live since November 2020 and still running.

SKILLS

Frontend: React, Next.js, TypeScript, React Query, Apollo Client, Redux, Zustand, XState, WebSocket, Tailwind, Ant Design, Storybook

Backend: Node.js, Express, GraphQL, MongoDB, PostgreSQL, Supabase

Mobile: React Native, HERE, Mapbox

Testing: Jest, Vitest, Testing Library, Cypress

Infra and tooling: Docker, Kubernetes, GitHub Actions, Jenkins, Vercel, GCP, NX, pnpm, Vite

AI: Claude Code, Claude skills and plugins, MCP servers, Cursor, Gemini API

EDUCATION

MBA (postgraduate), IT and Internet Management · Universidade Paulista · 2014 – 2015

Technologist Degree (undergraduate), Information Systems Management · Universidade São Francisco · 2008 – 2010