

Filipe Alves Cavalcante

Full-Stack Software Engineer

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SUMMARY

I'm a full-stack engineer with my own software company and 6 years in the field. Most of that time I've been the only developer on a project, which means I take care of everything: database design, backend, frontend, deployment. I've been using Claude Code daily for the past year and it's genuinely cut my delivery time in half.

SKILLS

Languages	PHP, JavaScript, TypeScript, Java
Frameworks	Laravel, NestJS, Node.js, React, Next.js, Vue.js, Express, React Native, Tailwind CSS
Architecture	REST APIs, Microservices, CQRS, Event-Driven, Domain-Driven Design, SQS
Cloud & DevOps	AWS (Lambda, EC2, S3, SQS, DynamoDB), Azure, Docker, CI/CD, Linux, Apache
Databases	PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, SQL Server
AI & Integrations	OpenAI Whisper, Claude Code, Instagram Graph API, TikTok API
Testing	PHPUnit, Jest, Pest, TDD, Integration Testing

EXPERIENCE

Founder & Software Engineer2018 – Present

F A Cavalcante | Remote

My own software consultancy. I take on full-stack projects for clients in different industries, almost always as the only developer.

- BrasilTec (current client, 2026 to present)
- Rebuilt BrasilTec's edtech platform from scratch in 6 weeks, replacing a legacy PHP system with NestJS + React/TypeScript. Backend, frontend, admin panel and data migration, all by myself. The platform now has **4,854 users, 6,415 enrollments and 10 published courses**.
 - Added AI features to the same platform, all in production: automatic transcription with OpenAI Whisper in Portuguese, English and Spanish, lesson search based on transcripts, auto-generated lesson summaries with exact video timestamps, and an AI question generator.
 - Built a social media tool for the Flexi content team where they cut long videos into reels and shorts, import from YouTube and schedule posts to Instagram and TikTok. The team expects to cut their manual work by around **40%**.
 - Claude Code as part of my daily workflow cut my delivery time by **40 to 50%** and saves 15+ hours a week that used to go into boilerplate, refactoring and test setup.
 - Cleaned up idle AWS resources for clients, saving **\$500+/month**.

Software EngineerDec 2021 – Jun 2025

Gran Cursos Online | Brasília, Brazil (Remote)

Large-scale edtech platform. The company went from 300,000 to 800,000 paying students while I was there.

- Fixed a question ordering bug that kept coming back for years. The problem wasn't in the code at all — it was a business rule nobody had written down. I sat with the team that owned the question registration system, we figured it out and it never came back.
- Led a MySQL to PostgreSQL migration with query rewrites and index tuning that saved **\$1,000+/month** in infrastructure.
- Published a shared React component library on NPM used across 4 repositories, covering 20+ components and removing thousands of lines of duplicated code.
- Built Black Friday campaign pages with the marketing team for the university and post-graduation sites. **Sales hit R\$10 million**.
- Rebuilt the company marketing site focused on performance and SEO. Lighthouse: Performance **7 to 76**, Accessibility **36 to 93**, Best Practices **40 to 90**, SEO **28 to 95**.
- Built a CMS so the marketing team could update any page themselves without going through engineering.
- Designed and built 30+ REST API endpoints in PHP, Laravel and TypeScript for high-volume traffic across a microservice architecture.

Software EngineerJul 2021 – Dec 2021

Grupo Estado | São Paulo, Brazil (Remote)

One of Brazil's largest media groups. Part of the sustentation team doing maintenance and improvements across multiple news platforms.

- Cut Google Search Console errors by more than 50%. The platform had 20,000+ daily errors. I added structured logging, traced where they were coming from and fixed the code issues one by one.

- Built a bot that tested payments on every deploy and sent alerts to the right teams on Email, Slack and Hangouts, with screenshots and error details. Nobody had to check payments manually after a release anymore.
- Built a content indexing and monitoring system in Node.js and TypeScript with Google APIs that stopped **500+ broken links per month** across 3 news platforms.

Software Engineer

Olivas Digital | São Paulo, Brazil (Remote)

Jul 2020 – Jul 2021

Marketing agency with 13 clients in the portfolio. Full-stack across all of them using PHP, Laravel, Node.js, Express, React, Vue or React Native depending on the project.

- Introduced CI/CD pipelines across most agency projects. Before that, deploys happened via FTP and caused constant problems: wrong files, broken states, no rollback. After the change, releases became predictable and the team stopped dreading deployments.
- Built landing pages for several clients that converted well enough to bring in **4 new clients through referrals**.
- Integrated anti-fraud APIs for a charity that received donations to rescue animals from trafficking. Chargebacks dropped **40%**, the best fraud result across all agency clients.
- Built a multi-currency REST API in 5 currencies targeting a **20% sales increase** through better order tracking and commission reporting.

Software Engineer

Gênesis Tecnologia e Inovação | São Paulo, Brazil (Remote)

Dec 2018 – Jun 2020

- Rebuilt a legacy enterprise system split between Java and PHP 5.6 with Laravel. No documentation, no handover. I read the old code, understood what it did, redesigned the database and rewrote the backend from scratch.
- Kept 80% test coverage with PHPUnit and TDD throughout, and set up CI/CD to run the full test suite on every push.
- Replaced a manual spreadsheet reporting process with backend-generated reports. Before: run at night, results next morning. After: on demand and **50% faster**.

EDUCATION

System Analysis and Development (Incomplete) — Instituto Federal de São Paulo

IT Technician — Senac, São Paulo

2016 – 2018

2013 – 2015

CERTIFICATIONS

Clean Code and Clean Architecture — Branas (2024) · GoStack — Rocketseat (2020)

LANGUAGES

Portuguese (Native) · English (B2)