

Pablo Ítalo de Araújo Carvalho

Senior Software Engineer | Fractional CTO | Tech Lead | AI Specialist

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Professional Summary

Multilingual full-stack engineer with 6+ years of experience building high-impact web & mobile products. Fractional CTO and Tech Lead for startups, with proven ability to ship MVPs in 2-4 weeks and scale to 10k+ global users. Expertise in JavaScript, TypeScript, Python, and modern AI tools including LangChain, OpenAI API, and Vercel AI SDK.

Core Competencies

- Architecture & Leadership: Fractional CTO, Tech Lead, Agile/Scrum, Distributed Teams, Mentorship
- Frontend: React, Next.js, React Native, Tailwind, Vue.js, UX/UI, SSR/SSG
- Backend: Node.js, NestJS, Django, Express, REST & GraphQL, Microservices, Serverless
- AI / ML: LangChain, Vercel AI SDK, OpenAI API, Vector DBs (Pinecone, Supabase), Embeddings, RAG
- Databases: PostgreSQL, MySQL, MongoDB, Redis, Firebase
- Cloud & DevOps: AWS, Google Cloud, Azure, Docker, CI/CD, Vercel, Supabase, VPS, Linux
- Security & Compliance: GDPR, PCI-DSS, OAuth2, JWT, OWASP Top-10
- Tools: Git, Jira, Terraform, Webflow, Bubble, Zapier, Make.com

Professional Experience

AorForms.com — Fractional CTO & Tech Lead (Contract) 2024 – 2025

- Built LegalTech SaaS using Django + Next.js + PostgreSQL + AWS.
- Integrated AI verbal-signature agent (LangChain + OpenAI) → onboarding time ↓65%.
- Scaled to 10k+ users with 99.9% uptime and optimized queries ↓42% latency.

Iluy.ai — Senior Full-Stack & AI Specialist (Contract) 2025

- Developed a multi-model AI chatbot (Next.js + NestJS + LangChain + Vercel AI SDK).
- Delivered AI agent for deep research: 5k+ users, match accuracy ↑90%.
- Enabled multi-tenant serverless architecture with <\$100/month infra costs.

EazyClock.com — Fractional CTO & Tech Lead (Contract) 2024 – 2025

- Launched appointment SaaS platform (Next.js + NestJS + AWS) with AI scheduler.
- Boosted booking conversion by +22%, grew to 10k+ users in 6 months.

ElevateAB.com — Senior Full-Stack Engineer (Contract) 2025

- Modernized platform with Next.js + Django + Cloudflare Workers.
- Optimized workers → 1,200+ tenants with <100ms latency.

Rebouças University — Tech Lead 2023 – 2024

- Created test portal (React + Next.js + PHP/Laravel).
- Created main website with API integrations.
- Rebuilt student portal (Moodle + React + PHP).
- Implemented CI/CD and QA → production defects ↓50%.

Tecknow Solutions — Full-Stack Developer 2019 – 2023

- Delivered 30+ projects in fintech, e-commerce, and real estate.
- Using different technologies, from PHP, WordPress, TypeScript, Node, Docker, and more.
- Migrated legacy systems to microservices → deployments from days to hours.

Selected Achievements

- Launched SaaS platforms to 10k+ users and >\$200K ARR (AorForms).
- Built LLM-powered agents cutting onboarding time by 65% and boosting conversion +22%.
- Re-architected e-commerce infra supporting \$1M+ revenue growth and 1,200+ brands.

Education & Certifications

- B.Sc. Software Engineering — Ampli University (2022 – 2025)
- Meta Front-End Developer Professional Certificate (Coursera, 2022)
- Meta Back-End Developer Professional Certificate (Coursera, 2022)
- DeepLearning.AI – Generative AI with LLMs Specialization (Coursera, 2025)

Languages

English: Advanced (C1) · Portuguese: Native · Spanish: Advanced (C1) · Japanese: Beginner (A2)

Tech Stack & ATS Keywords

React, Next.js, TypeScript, Node.js, NestJS, Python, Django, LangChain, Vercel AI SDK, OpenAI, AWS, Docker, PostgreSQL, MongoDB, Microservices, Serverless, CI/CD, Agile, AI Agent, RAG, LLM, Vector DB, Kubernetes, Terraform, SaaS, MVP, Leadership