

Erick Eduardo

Senior Full Stack Engineer | Tech Lead | AI Engineer

Goiânia, Brazil (remote, full US overlap) · erickpeixoto.tech · linkedin.com/in/erickpeixoto · erickepeixoto@gmail.com

Senior full stack engineer and tech lead with 13+ years building web products with React, Next.js, TypeScript, Node.js, GraphQL and Tailwind. More than five of those years were spent inside agencies and studios, shipping for US and European clients, which taught me to get into a new codebase, team and client quickly and propose a better way when the obvious one isn't enough. I've worked as an employee, on startup contracts and as a long-term contractor, in teams of every size, from early startups to enterprise groups like PayPal's. For the last three years my work has centered on AI: an AI lending platform for one of Australia's largest banks, and AI products built on WhatsApp agents with tool calling.

EXPERIENCE

Senior Full Stack Engineer, Ambush (contract)

Sep 2023 – Jul 2026

Austin, TX · Remote · AI products for enterprise clients, embedded in US teams

- **AI lending platform for one of Australia's largest banks.** AI and OCR read loan documents, analysts review what the model is unsure about, and the platform produces the credit outcome. Analysts also get a chat that answers questions using the loan documents as context.
- Built the document pipeline: uploads, real-time processing states over GraphQL subscriptions, flagged documents and the human validation screens.
- Built the credit outcome experience: loan overview, income charts, action points and the PDF report analysts work from.
- Owned the Playwright end-to-end strategy, with heavy suites gated in CI. Pushed for human review on low-confidence extractions when the plan was full automation, and we shipped it.
- **PayPal (1 year):** embedded with PayPal teams, modernizing legacy systems and shipping new modules on Next.js.
- Stack: React 19, TypeScript, Next.js, GraphQL, Vite, TanStack Router, Tailwind, Playwright.

Senior Full Stack Engineer, Locorum (contract)

Jun 2023 – Jun 2024

Ontario, Canada · Remote · Startup

- Referral marketing and loyalty platform for offline businesses. Worked directly with the founding team and led a team of four engineers: set the front-end direction, reviewed code and built features across the whole stack.
- Stack: Next.js, React, React Query, Storybook, Node.js, NestJS, Elasticsearch, AWS.

Tech Lead | Senior Software Engineer, Fuerza Studio

Apr 2021 – Jun 2023

Brazil · Remote · Studio building digital products for US clients

- Joined as a senior developer and was promoted to tech lead of a six-person team.
- **Veritone SportX:** built the interface of an AI-powered platform that tags and licenses sports video and media. Veritone reports 60+ years of tagged media and metadata work cut from 371 days to hours with AI.
- Improved system scalability by 150% and delivery predictability by 60%, and cut development time by 30% through better story scoping; brought in Storybook and led the Lighthouse work (LCP under 2.5s).
- Stack: React, Next.js, TypeScript, GraphQL, AWS Lambda, Terraform, Cypress, Playwright.

Senior Full Stack Engineer, Appgami

Apr 2020 – Apr 2021

London, UK · Remote

- Apps that extend Monday, Jira and Asana. Led developers across teams and coordinated with product and management; introduced GraphQL, AWS and Playwright end-to-end tests, with Cypress and CodeCov in CI.

Full Stack Engineer, Skill Group

Apr 2019 – Apr 2020

Goiânia, Brazil

- Built a healthcare platform end to end, from system design to launch: appointments, scheduling, doctor calendars and medical history. 10,000+ appointments in the first three months and 200% user growth in six. React, Redux, Node.js, TypeScript, MongoDB.

Goiânia, Brazil

- Ordering, delivery and digital menu software for restaurants and food franchise chains. Started the platform for its first 500 users and helped it grow tenfold; launched an e-commerce app that reached 3,100+ franchises, about 20% of its niche in year one.
- Led the move from PHP to TypeScript, Node.js, MongoDB and React (+40% performance), brought unit test coverage close to 100% and led a team of five.

AI PRODUCTS

MestreObra · Construction management on WhatsApp · mestreobra.com.br

Nov 2025 – present

Problem: on a job site a receipt arrives, the crew needs materials and the client wants an update, all at once; small builders lose control of costs in chats and spreadsheets.

My role: founder and sole engineer.

Stack and AI: an agent that understands text, audio, photos and video: a receipt photo becomes an expense on the right job, a voice note becomes the daily log, purchase orders per job, rain alerts before a concrete pour. Claude agent with read and write tools, validation, server-side authorization, prompt caching and cost tracking per conversation. Next.js, TypeScript, Postgres, Stripe.

Result: the field team never installs anything; the manager gets everything organized.

Mental Care · Practice management for therapists · mentalcare.systemroot.cloud

Jul 2025 – present

Problem: therapists lose hours every week to scheduling, reminders, payments and notes.

My role: founder and sole engineer.

Stack and AI: Luna, an AI secretary on WhatsApp, runs scheduling, patients, finances and reminders; AI drafts of clinical notes always reviewed by the professional; embeddings for clinical notes on pgvector; privacy and LGPD by design. React, TypeScript, Supabase, OpenAI, Stripe.

Result: available in three languages, with telehealth over Google Meet and a page per professional.

Lino · Homework tutor on WhatsApp · lino.systemroot.cloud

Jul 2026 – present

Problem: parents want to help with homework but do not always remember the subject well enough to explain it.

My role: founder and sole engineer.

Stack and AI: Claude vision reads a photo of the homework and explains it step by step at the child's grade level, with practice exercises and a weekly summary. Teaches instead of giving answers; photos are not stored; payment inside WhatsApp; Portuguese and English. Next.js, TypeScript, Supabase.

Result: product complete and site live, pre-launch.

My PDF Genius · Chat with your PDFs

2024

Problem: long PDFs are slow to read and hard to search for a specific answer.

My role: senior software engineer.

Stack and AI: Next.js, tRPC, Prisma, Postgres, OpenAI, AWS serverless, Auth0.

Result: users upload a document and ask questions about it in a chat next to the PDF viewer.

SKILLS

AI: LLM APIs (OpenAI, Anthropic), agents with tool calling, embeddings and pgvector, RAG, prompt caching, cost tracking, human-in-the-loop review

Web: TypeScript, React, Next.js, Node.js, NestJS, GraphQL, tRPC, Python

Data and cloud: Postgres, Supabase, MongoDB, Elasticsearch, AWS, Vercel

Quality: Playwright, Cypress, Jest, Vitest, CI/CD

Leadership: tech lead for teams of 4 to 6, architecture, code review, mentoring

EDUCATION AND LANGUAGES

Senac Goiás, Information Technology (2011–2013)

English: C1, daily working language · Portuguese: native