

Pedro Baptista

Senior Full Stack Developer

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SUMMARY

Senior full stack developer with 3+ years shipping production software. At Progresso Edu I maintain the school management platform used by **50+** schools, working directly with stakeholders. Before that, at TrackingTrade, I built data pipelines processing **~500,000** offers a day and web and mobile products used by **20+** companies. I work across React, Next.js and TypeScript on the front end and Node.js, NestJS, Python and PostgreSQL on the back end, with Docker, CI/CD and observability in production.

EXPERIENCE

Senior Full Stack Developer

Aug 2026 – Present

Progresso Edu · Next.js · React · TypeScript · Node.js · Supabase · PostgreSQL · Docker · Vercel

- Maintain Progresso Edu's school management platform, used by **50+** schools: grades and attendance, finance and tuition, QR-code gate access and the app for parents and students.
- Work directly with stakeholders, aligning requests and platform deliveries.

Full Stack Developer

2024 – Jul 2026

TrackingTrade

- Built and maintained **200+** marketplace scrapers for Pricetrack in Python, feeding automated services that process around **500,000** product offers per day on Railway for the **20+** companies using the platform.
- Built shelf-OCR evaluation systems that improved KPI verification by **65%** and photo curation time by **200%**, replacing a manual process for the **~20** staff who use it daily.
- Developed full-stack features with React, Next.js and TypeScript over NestJS/Node.js and Python REST APIs, implementing business rules, validation and data access on PostgreSQL (relational modelling, migrations and SQL) in a modular API-based architecture with queue-driven async work, containerised with Docker Compose.
- Wrote automated tests (Pytest, Jest) and worked in a Git flow with pull requests and technical reviews, using logs and metrics for failure diagnosis in production.

Front-end Developer Intern — Web & Mobile

2023 – 2024

TrackingTrade

- Developed web and React Native mobile features for OneTrade, a retail-execution product used by **20+** companies.
- Built manager-facing views for tracking and coordinating field teams with reusable React components, routing, validated forms and state management, working in an agile squad with stand-ups, two-week sprints and technical reviews alongside product.
- Integrated REST and GraphQL APIs (Apollo Client) across web and mobile clients, migrated legacy class components to functional components with hooks, and wrote tests with Jest and React Testing Library (**>80%** coverage on critical UI flows).

PROJECTS

MemoLazy

Next.js · React Native · Expo · TypeScript · Drizzle ORM · PostgreSQL · OpenAI · Vercel

- Spaced-repetition study app built on FSR-6, live at anki-lazy.vercel.app, with a React Native companion app that shares the same scheduling package as the web client.

Agentic Job-Application Pipeline

Next.js 15 · FastAPI · OpenAI · RabbitMQ · PostgreSQL · SeleniumBase · Docker

- An LLM agent that scrapes, scores and applies to jobs end-to-end — a queue-driven pipeline for up to **6,900** postings per day, with a REST API, PostgreSQL and a React/Next.js frontend, cutting hands-on time per application by **~90%**.

SKILLS

Languages: TypeScript, JavaScript (ES2022+), Python, SQL, HTML5, CSS3

Frontend: React (components, routing, forms, state management), Next.js 15, React Native, Tailwind CSS, React Query, Zustand

Backend: REST APIs, Node.js, NestJS, FastAPI, GraphQL, queues and async processing

Databases: PostgreSQL, SQL, relational modelling, Supabase, Drizzle ORM, Prisma

DevOps: Git, Docker, Docker Compose, Vercel, CI/CD (GitHub Actions), observability and failure diagnosis, Linux, AWS

Architecture: Modular API-based architecture, Clean Architecture, SOLID, design patterns

Testing & process: Jest, React Testing Library, Pytest; agile methods, code review

EDUCATION

B.Sc. Computer Science · Universidade Federal de Pernambuco (UFPE) · 2022 – 2027