

# TIAGO PEREIRA

## Full Stack Web Developer

Carcavelos, Portugal · Remote / Hybrid (Lisbon area)

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Millions

ANNUAL VISITS

30+

PROJECTS DELIVERED

50+

STUDENTS MENTORED

4

DEVELOPERS LED

Full Stack Developer leading a team of 4 at Sanjow, with 5+ years building scalable React/Next.js applications that collectively attract millions of visits per year. My background includes 8 years in Civil Engineering -- managing infrastructure projects, leading field teams, and diagnosing complex structural problems -- which shaped how I approach software: methodically, with attention to performance, reliability, and real-world impact. I combine hands-on technical expertise with architectural decision-making, mentoring, and cross-functional collaboration across 30+ delivered projects.

## EXPERIENCE

### Full Stack Developer & Team Lead

2021 — Present

Sanjow · Hybrid

Next.js · React · TypeScript · Tailwind CSS · Node.js · Express.js · PostgreSQL · Prisma · Playwright · Vercel

- Code reviews & mentoring junior developers
- 3 major product launches from ideation to production
- A/B testing achieving +25% conversion rates
- 40% performance improvement across platforms
- REST API integrations: Stripe, SendGrid, Stream, Contentful
- Playwright comprehensive testing
- AI applications handling 50K+ monthly requests (OpenAI GPT-4, LangChain, Pinecone)

### Freelance Full Stack Developer

2021 — Present

Self-Employed · Remote

Next.js · React · TypeScript · Tailwind CSS · Framer Motion · shadcn/ui · Node.js · Express.js · PostgreSQL · MongoDB

- Full project lifecycle: scoping to deployment
- WebSockets, GPS integration, payment systems
- 98% uptime across all client projects

### Teaching Assistant

2020 — 2021

IronHack · Lisbon (part-time)

JavaScript · React.js · Node.js · Express.js · MongoDB · Mongoose

- Guided students through full stack web development bootcamp
- Code reviews and pair programming sessions

### Civil Engineer

2014 — 2020

Multiple Companies · Portugal

- LNEC: Airport rigid pavements research (2014-2015)
- Grupo H24: Structural engineering challenges (2015-2016)
- OZ Diagnostico: Building pathology diagnostics (2016-2017)
- BuildingClass: Head of Building Pathology Diagnosis (2017-2018)
- DDN/Agua de Cascais: Water infrastructure supervisor (2018-2020)

*Transferable: Team leadership, complex problem diagnosis, client communication, budget management, deadlines, documentation*

## KEY PROJECTS

### School's Cool

EDUCATION

My first real project and still the hardest one so far. A colleague and I built a large platform for an underprivileged children school that combined social networking, e-learning, live chat, forums, and cloud storage. The complexity pushed me to take side courses while delivering the project so we could keep quality high.

React 17 · Node.js 14 · Express · Passport.js · MongoDB · Tailwind CSS 2 · Redux · React Router

### GOAT Studios

ENTERTAINMENT

GOAT Studios is a video editing agency that wanted to showcase its work online in a polished way. We built a fast platform focused on portfolio storytelling, credibility, and conversion.

Next.js 15 · React 19 · TypeScript · Tailwind CSS 4 · Framer Motion · shadcn/ui · React Hook Form · Zod

### JFP Taxis

TRANSPORTATION

JFP Taxis is a transportation business that wanted a stronger online presence, especially for Boom Festival. We built a clear booking experience so attendees could quickly find services and request rides.

Next.js 16 · React 19 · TypeScript · Tailwind CSS 4 · Framer Motion · shadcn/ui · next-intl · Resend

### Tante Joke Karaoke

ENTERTAINMENT

Tante Joke Karaoke Band has no fixed singer -- the singer is the audience. A colleague and I built a mobile-first web app where concert attendees select songs and get notified when their turn is near. We also created a backoffice so the band manager can manage songs and call attendees to the stage.

Next.js 15 · React 19 · TypeScript · Tailwind CSS 3 · Framer Motion · shadcn/ui · Clerk · Neon Postgres

### E-Commerce Platforms

E-COMMERCE

Professional client work delivered at Sanjow, with some solutions built in crash-course style timelines. The focus was scaling traffic, improving conversion, and increasing performance across multiple platforms.

Next.js · React · TypeScript · Tailwind CSS · Chakra UI · Node.js · MongoDB · PostgreSQL

### AI-Powered Applications

AI / TECH

Professional applications built through company projects and rapid crash-course initiatives. We shipped practical AI products that handled real request volume while significantly improving response speed.

Next.js 15 · React 19 · TypeScript · Tailwind CSS 4 · OpenAI API · LangChain · Pinecone · shadcn/ui

## TECHNICAL SKILLS

### Frontend

JavaScript (5+), React.js (5+), Next.js (4+), TypeScript (4+), Tailwind CSS (4+), Framer Motion (2+), Zustand (2+), shadcn/ui (2+), Chakra UI (3+), Mantine (2+), React Hook Form (2+), Zod (2+), next-intl (2+), Redux (1+)

### Backend

Node.js (5+), Express.js (5+), Nest.js (2+), MongoDB (5+), PostgreSQL (3+), Prisma (2+), Mongoose (5+), REST APIs (5+), Stripe (4+), Resend (2+), WebSockets (2+)

### Testing/DevOps

Jest (1+), Playwright (2+), A/B Testing (3+), Git/GitHub (5+), Vercel (4+), AWS S3 (2+), CI/CD GitHub Actions (2+), Docker (1+), Cloudflare (2+), Sentry (3+), ESLint/Prettier (5+)

### Auth & AI

JWT (5+), Passport.js (4+), Clerk (2+), NextAuth (2+), OpenAI API (2+), LangChain (1+), Pinecone (1+)

## EDUCATION

### Full Stack Web Development Bootcamp

IronHack, Lisbon

2019 — 2020

### MSc in Structures and Geotechnics

Universidade Nova de Lisboa FCT

2011 — 2014

### BSc in Civil Engineering

Universidade da Beira Interior

2007 — 2011

Languages: Portuguese (Native), English (Advanced)