

DIEGO NOBRE CARMONA

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Summary

Full-Stack Developer experienced in building production-ready web applications using React, Next.js, TypeScript, and Node.js, including AI (LLMs) integrations, OAuth authentication, and relational databases. Works across the entire stack, developing modern, high-performance frontends as well as scalable and well-structured backends. Portfolio featuring real-world applications with strong performance metrics (Lighthouse 99/100 and Real Experience Score 100), with a strong focus on accessibility, SEO, and user experience.

Skills

- **Frontend:** TypeScript | React | Next.js | JavaScript (ES6+) | Tailwind CSS | TanStack Query | Framer Motion | HTML | CSS
- **Backend:** Node.js | REST API Design | Authentication (Auth.js, OAuth) | Prisma | PostgreSQL
- **Tools & Practices:** Git | GitHub | ESLint | Accessibility (ARIA) | Web Performance | Figma
- **Specialties:** AI integrations (LLMs) | PWA | SEO | Responsive Design

Projects

CineAI - AI-Powered Movie Discovery Platform

[Github](#) | [Website](#)

Next.js, React, TypeScript, Tailwind, Prisma, PostgreSQL, Auth.js, Groq/LLaMA, Node.js

- Integrated **LLMs (Groq/LLaMA)** with the TMDb API to deliver personalized movie recommendations based on user profile and mood, featuring **Google OAuth** authentication and relational database persistence.
- Architected with Next.js App Router and **serverless APIs**, including a full favorites and watchlist system with persistent database storage and user-based data isolation.

Pitada - AI Recipe Generator

[Github](#) | [Website](#)

Next.js, React, TypeScript, Tailwind CSS, TanStack Query, Groq/LLaMA, PWA

- Built a web application that generates **AI-powered** recipes from user-provided ingredients, delivered as an **installable PWA**.
- Async state management with TanStack Query and accessible interface (ARIA, keyboard navigation, semantic HTML).

Personal Portfolio

[Github](#) | [Website](#)

Next.js, React, TypeScript, Tailwind CSS, Framer Motion, Three.js

- Built a production-grade portfolio focused on performance, accessibility and technical SEO — achieving **Lighthouse 99/100/100** and **Real Experience Score 100** (Vercel Speed Insights).
- Full SEO architecture with JSON-LD, dynamic sitemap and Open Graph, indexed by Google with initial organic traffic.

Experience

IT Intern

01/2019 - 10/2023

Distance Education Secretariat (UFRGS)

Porto Alegre, Brazil

- Managed infrastructure of 80+ workstations across 4 labs and internal departments, including configuration and user management in Windows/Active Directory environments.
- Operated audiovisual production for academic events (100+ attendees), handling audio, video, live streaming and real-time presentation control.

Web Developer

04/2017 - 12/2018

TECMIDES Research Project (UFRGS)

Porto Alegre, Brazil

- Built a Moodle plugin with an interactive dashboard (Chart.js) to identify at-risk students in distance learning courses, deployed in a university production environment.
- Co-author and presenter of a scientific [paper](#) at **CBIE 2018** (Brazilian Congress on Computers in Education), Brasília, Brazil.

Education & Courses

Bachelor's in Computer Science

01/2019 - Present

Federal University of Rio Grande do Sul (UFRGS)

Porto Alegre, Brazil

- **Intermediate React v6** - Frontend Masters, 2025.
- **English Course** - CCAA | Post-Advanced Level, 2015.

Languages

- **Portuguese:** Native.
- **English:** Fluent.