

Senior Software Engineer with over **5 years of experience** specialized in the **React** ecosystem, mastering the full **Next.js lifecycle from legacy architectures** (Pages Router v11-v14) to modern **Next.js 16 (App Router)**. Expert in **TypeScript**, **Tailwind CSS 4**, and **Server-Side Rendering**, with a proven track record of architecting **real-time web applications** and **delivering high-velocity MVPs for startups**.

- Most recently achieved a **94% reduction in build modules** and a **0.5s improvement in TTFB** for a high-traffic fintech platform.
- Expert in bridging the gap between design and engineering through custom **Node.js tooling** and **WCAG 2.1 AA standards**.
- **Critical Skills Employment Permit (CSEP) candidate**, eligible for Software Engineering (**Occupations List 2124**) sponsored roles.
- While living in Dublin, Ireland, developed an **intercultural adaptability** across multicultural exchanges.

EXPERIENCE

Senior Software Engineer - EARNZY (Remote, United States) • November 20th 2025 - January 20th 2026

Architected and delivered a greenfield Web3 gamification MVP in an 8-week sprint (Pre-Series Seed Phase), defining the engineering roadmap for a youth sports platform.

- **AI-Augmented Engineering**: Delivered production-ready MVP ahead of the February deadline, launching in late January through agent development workflows, establishing foundation for future feature velocity.
- **Full Stack Product Engineering**: Eliminated blockchain complexity for non-technical users through server-side smart contract interaction, enabling NFT redemption and club selection without direct wallet management.
- **Security & Compliance**: Achieved 100% COPPA compliance for under-13 user authentication by implementing zero-trust architecture with multi-channel parental consent verification and passwordless authentication flows.

Head of Software Engineering - MetaMatch (Remote, Brazil) • May 8th 2025 - November 13th 2025

Led frontend engineering division for fintech platform, overseeing architectural decisions, team experience, and performance standards.

- **Platform Modernization**: Achieved 94% reduction in build complexity (from 17k to 1k build modules) and 0.5s TTFB improvement through migration to server-side rendering architecture, eliminating waterfall requests and unnecessary client directives.
- **Real-Time Architecture**: Eliminated redundant data fetching while maintaining UI synchronization with backend events through optimistic cache updates and event-driven state management.
- **Technical Leadership**: Mentored an engineer on modern development patterns while coordinating cross-functional roadmaps with backend and design stakeholders.

Professional Development - EC Dublin (On-site, Ireland) • June 3rd 2024 - January 17th 2025

Completed a 6-month English immersion in Dublin, acquiring intercultural adaptability and Professional Proficiency acknowledged by IELTS Academic.

Senior Software Engineer - Polkamarkets Labs (Remote, Portugal) • August 14th 2022 - February 16th 2024

Core contributor to decentralized prediction market platform, focusing on scalability, reliability, and user inclusion.

- **Accessibility Leadership**: Delivered platform v2 with full WCAG 2.1 AA compliance, ensuring accessibility for diverse user base across all device types.
- **Performance Optimization**: Improved Google Lighthouse scores by 15% through asset optimization, code-splitting strategies, and stylesheet refactoring in a legacy application.
- **Quality Infrastructure**: Established testing culture through unit testing and component isolation frameworks, reducing regression rates and accelerating feature delivery.

Software Engineer - Wellhub (formerly Gympass) (Remote, Brazil) • August 2nd 2021 - July 29th 2022

Specialized in Design System architecture and user onboarding flows for global corporate wellness unicorn.

- **Design Systems**: Increased engineering productivity by 10% through design token centralization and component standardization, improving cross-team UI consistency.
- **Feature Delivery**: Owned end-to-end QR-code onboarding implementation for major product migration, translating design prototypes into production-ready components.

Junior Software Engineer - Bepro Network (Remote, Portugal) • November 2nd 2020 - July 30th 2021
Concurrent role (20h/week) focused on end-to-end product exposure across design, frontend, and backend.
- **Authentication Infrastructure:** Enabled decentralized wallet-based authentication for protocol users, streamlining integration to support core service features.
- **Performance Gains:** Achieved 15% improvement in Core Web Vitals through lazy-loading strategies and dynamic asset purging.

Junior Software Engineer - Federal University of Alagoas (UFAL) (On-site, Brazil) • July 2019 - July 2021

Paid technical role focusing on university digital projects for the local community.

- **Product Strategy:** Delivered optimized web gallery platform for 500+ concurrent visitors under poor network conditions through progressive image loading and animation deferral (Lite Mode).
- **Healthcare Platform:** Led UX/UI design and frontend implementation of electronic health record system with role-based workflows for patients, interns, and administrators.

SKILLS

Core Stack

TypeScript • JavaScript (ES6+) • HTML5 • CSS3 • React 19 • Next.js 16 (App Router) • Node.js • Express

State & Data

Redux Toolkit • RTK Query • Zustand • React Context API • MongoDB • Mongoose • REST APIs • GraphQL

Real-Time & Performance

WebSockets • Socket.io • Server-Sent Events • React Server Components • Server Actions • Optimistic Updates

Styling & Design Systems

Tailwind CSS 4 • Styled Components • CSS-in-JS • SASS/SCSS • Radix UI • shadcn/ui • Material UI • Headless UI

Design Ops

Figma (Design-to-Code) • Storybook • Atomic Design • Responsive Design • WCAG 2.1 AA Compliance

Web3

Thirdweb SDK v5 • Wagmi • Viem • Ethers.js • Reown (AppKit) • MetaMask • WalletConnect • Web3Auth • Ethereum • Chiliz Chain

Testing & Quality

Vitest • Jest • Playwright • React Testing Library • ESLint • Prettier • Lighthouse • Microsoft Clarity

DevOps & Tools

Vite • Webpack • Turbo • PNPM • GitHub Actions • Vercel • DigitalOcean • Docker • AI-Augmented Development (Claude Code • GitHub Copilot • Lovable)

Compliance & Security

COPPA Regulatory Compliance • Zero-Trust Authentication • Age-Gated Workflows • Passwordless Auth Patterns

Legacy & Migration

React 16.8 (Class Components) • Next.js 11 (Pages Router) • SSR/SSG Patterns

LANGUAGE SKILLS

UK English (Professional Proficiency), **Brazilian Portuguese** (Native).