

Jeremy Kertin Mansilla Muñoz

Full Stack Developer | Next.js & React Specialist

Puerto Montt, Chile (Open to Remote / Hybrid)

+56 9 3034 1764 | jekemamu@gmail.com | LinkedIn | Portfolio | GitHub

Professional Profile

Proactive Full Stack Developer with solid experience building modern web applications using **Next.js**, **React**, and **TypeScript**. Specialized in developing scalable interfaces and real-time solutions using **Socket.io**. Pragmatic approach to code quality, web performance, and minimalist user experience (UX). Proven ability to solve complex technical challenges, including the implementation of **Shadow DOM** in embeddable widgets.

Work Experience

Full Stack Developer | DAI Solution

Dec 2023 – Present | On-site, Chile

- **Embeddable Widget Development (Dai Chat):** Led the engineering of the “Dai Chat” widget, implementing **Shadow DOM** to achieve full style encapsulation (CSS isolation) and prevent conflicts on third-party websites.
- **Technical Achievement:** Solved event handling and selector compatibility challenges within the Shadow Root, enabling successful deployment in **two active production environments**.
- **Full Stack & Real-Time:** Built real-time communication modules using **Socket.io** and **Node.js**, integrated with a frontend architecture based on **Next.js** and **TypeScript**.
- **Maintenance and Scalability:** Optimized the codebase and supported deployment and testing processes, ensuring product stability and long-term maintainability.

Full Stack Intern | DAI Solution

Sep 2023 – Dec 2023 | Chile

- **Performance-Based Promotion:** Hired as a Full Stack Developer upon completion of the internship due to rapid adaptation and consistent delivery of results.
- **Frontend:** Implemented responsive interfaces and reusable components using **React** and **Tailwind-CSS**.
- **Backend:** Collaborated in the creation and consumption of **REST APIs** with Node.js, documenting key endpoints.

Featured Projects

ReduApp – Waste Management SaaS

Next.js, TailwindCSS, Auth

B2B platform for comprehensive construction and demolition waste management. Digitization of manual processes through a subscription-based system that enables tracking, evaluations, and safety protocols, improving operational efficiency for clients.

Dai Chat & Admin Panel

Socket.io, Shadow DOM, React

Live chat system with a full administrative panel, designed to be completely host-agnostic, resolving global CSS style interference through a Shadow DOM-based architecture.

High-Performance Landing Pages

Astro, SEO

Development of landing pages optimized for **Core Web Vitals** and technical SEO, achieving minimal load times and excellent Google Lighthouse scores.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, PHP, HTML5, CSS3

Frontend: React, Next.js, Astro, Nuxt, TailwindCSS, Material UI, Hero UI

Backend & Tools: Node.js, Socket.io, WebSockets, Git/GitHub, Jest, Django, Laravel

Education

Software Analyst

Inacap, Chile | Graduated 2024

Full Stack Developer Certificate

Inacap, Chile | 2023 | B353EDFB7DD5F0BA

Basic Application Development Certificate

Inacap, Chile | 2023 | 6BBC4C9E689BFFC0

Database Design and Management Certificate

Inacap, Chile | 2023 | 323262DC773EB43E

Languages

Spanish: Native

English: Technical (fluent reading of technical documentation and functional writing)