Jorge Sanhueza Arias

Professional Profile

Software Engineer with expertise in process automation and interface development. My background includes creating and modernizing web, mobile, and desktop applications. I work on projects from initial planning and design through implementation, contributing to team efforts that deliver scalable, effective solutions.

Contact

Email: jrg.sanhueza@gmail.com

Phone: +56 9 4440 7595

Education

B.S. in Computer Science and Telecommunications

Universidad Diego Portales

Languages

Spanish

English

Experiencia

Developer • Dexpress

2025 | Santiago, Chile

- Led the development of a Transportation Management System (TMS) as the main contributor, designing a robust and scalable solution.
- Designed a secure backend API using NestJS and implemented a comprehensive Role-Based Access Control system to effectively manage user permissions.
- Developed a high-performance frontend application with Vite, React, Zustand, and TanStack Query, creating an intuitive and responsive user interface for real-time order tracking.
- Developed a Retrieval-Augmented Generation agent using Ollama's gemma3 and embeddinggemma models, trained on project-related documentation.
- Managed frontend-backend system integration, ensuring seamless data flow and application reliability.

Developer • Fibermold

2023 - 2024 | Santiago, Chile

- Architected the migration of the company website from WordPress to a modern React SPA using Next.js, improving frontend performance and user experience.
- Designed and documented data models according to client requirements, ensuring system integrity and future scalability.
- Led the end-to-end implementation process, adhering to client specifications and ensuring a smooth launch.
- Monitored post-launch website traffic and sales metrics, providing data-driven insights that contributed to marketing campaign success.

IT Consultant • Techcomputer

2022 - 2023 | Santiago, Chile

- Actively contributed to the company website and digital catalog upgrade project.
- Assisted in implementing a new interactive design that significantly increased user engagement.
- Participated in post-launch monitoring, analyzing traffic data, user behavior, and conversion metrics to evaluate campaign success.

Developer • Franul

2019 - 2022 | Santiago, Chile

- Part of the development team for a digital transformation project of an SME by designing and building a custom enterprise solution using PHP, Laravel, and JavaScript.
- Translated client requirements into technical specifications and built core application modules, enhancing operational efficiency.
- Conducted rigorous testing and collaborated with a development team using Git for version control, ensuring code quality and smooth integration.

Systems Engineer • Tecnocom

2017 - 2019 | Santiago, Chile

- Managed and maintained the UNIX file systems for a credit card management service, ensuring an organized and scalable structure.
- Developed automatic report generation and version control, reducing manual effort.
- Coordinated teams for successful system update implementations and new installations.
- Maintained comprehensive system documentation and project notifications, improving team communication and knowledge sharing.

Skills

System Design
UI/UX
Responsive Design
Web development
Prototyping & Documentation

Technologies

HTML
CSS
JavaScript/TypeScript
PHP
SQL
React
Next JS
Nest JS
Laravel
Livewire
Alpine JS