

RICARDO ZERPA

Full Stack Software Engineer

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Full Stack Software Engineer with over 7 years of experience specializing in the development of high-performance web and mobile applications. Expert in the modern TypeScript ecosystem, with advanced proficiency in React, Next.js, and the TanStack ecosystem. I implement solutions based on Hexagonal Architecture, SOLID principles, and Clean Code to ensure scalability and maintainability across complex enterprise environments.

EXPERIENCE

Full Stack Software Developer (Freelance / Independent Consulting) (June, 2025 – Present)

- Designed and developed web and mobile solutions integrating advanced Artificial Intelligence capabilities (LLMs, n8n automations, and AI-assisted workflows) to optimize productivity and solve specific business needs.
- Accelerated software delivery cycles and code quality using generative AI-assisted workflows (Cursor, Claude Code, AI developer agents, and rapid prototyping).
- Implemented modern, scalable architectures with Next.js, TypeScript, PostgreSQL, and AI APIs across diverse projects and clients, ensuring high-performance interfaces and maintainable codebases.

Southern Code — Front-end Developer (May, 2024 - May, 2025)

- Contributed as a key front-end developer for a large-scale corporate housing marketplace (Stay3sixty), managing complex workflows across more than 1 million listings.
- Optimized performance for critical processes by 32%, improving user retention and operational efficiency through Next.js component refactoring.
- Led code reviews and implemented engineering best practices to maintain a high standard of quality across interface development.

Philon Labs — Full-Stack Developer (May, 2022 - May, 2024)

- Designed and implemented a comprehensive management system for oil tanker tracking, enabling real-time monitoring of cargo data, crew records, and complete voyage histories.
- Pioneered the integration of an interactive AI-powered 3D chatbot, managing robust data architectures to support extensive conversational contexts.
- Led the development of multiple NFT initiatives, creating custom Content Management Systems (CMS) to automate promotional code generation for strategic partnerships.

Back9 — Full-Stack Developer (January, 2021 - January, 2022)

- Directed the end-to-end development of multiple e-commerce platforms, ensuring seamless integrations across the frontend, backend, and MongoDB databases.
- Executed legacy codebase refactoring and maintenance, delivering significant scalability gains and reducing technical debt across production applications.
- Developed core features for airline operational systems, optimizing operational efficiency and end-user customer experience.

Media Naranja Planners — Full-Stack Developer (June, 2019 - January, 2021)

- Architected and developed a hybrid mobile application for event planning using React Native and a Node.js backend, prioritizing seamless user experience and intuitive UI.
- Implemented a comprehensive milestone tracking and management system that enabled users to centrally and efficiently organize weddings and large-scale events.
- Translated complex logistical workflows and business requirements into simplified technical features, collaborating closely with cross-functional design and product teams.

SKILLS

- **Programming Languages:** Javascript, Typescript, Solidity.
- **Libraries and Frameworks:** React, Next.js, React Native, Node.js, Express, Nest.js, Payload CMS, Zustand, Tailwind, Tanstack Ecosystem.
- **Databases:** PostgreSQL, MongoDB.
- **Other:** Git, Testing, AI.

EDUCATION

B.S. in Computer Engineering — Universidad de Oriente (January, 2014 - March, 2020)

LANGUAGES

- **Spanish:** Native
- **English:** Advanced (B2 - C1 Professional Level)