

CRISTIAN TOMAS TORRES

SENIOR FRONTEND ENGINEER

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Portfolio: <https://www.cristiantorres.com.ar/en/>

PROFESSIONAL SUMMARY

Strategic Senior Frontend Engineer with over 7 years of experience engineering high-performance web applications across high-criticality sectors, including Fintech, Logistics, and Blockchain. Architected and standardized robust frontend systems utilizing Hexagonal Architecture, Clean Code (SOLID), and Atomic Design to ensure enterprise-grade maintainability. Spearheaded the development of mission-critical offline-first systems for low-connectivity industrial environments and complex Microfrontend architectures for major U.S. financial institutions.

CORE COMPETENCIES

- **Frontend:** React, TypeScript, JavaScript (ES6+), Next.js, Angular (v2-v6+).
- **Architecture & Patterns:** Hexagonal Architecture, Clean Architecture, Microfrontends, Atomic Design, SOLID Principles.
- **State Management:** React Query (TanStack), Redux (Toolkit, Sagas, RTK Query), Zustand, NgRx.
- **Testing & Reliability:** Vitest, Playwright, Cypress, Jest, React Testing Library, TDD.
- **UI & Styling:** Tailwind CSS, Storybook, Styled Components, SASS/SCSS, DaisyUI, Pixel-Perfect Figma Implementation.
- **Backend & Web3:** Node.js (Express, Hono, Koa), Solidity, Hardhat, Ethers.js, Web3.js, MongoDB, Firebase, Prisma.
- **Tools:** Vite, Git (GitHub, Bitbucket, GitLab), Docker, Agile Methodologies (Jira, Trello, Azure DevOps).

PROFESSIONAL EXPERIENCE

Avenga | Lead Frontend Developer *Feb 2024 – Present*

- Architected the greenfield frontend for a mission-critical management system facilitating medical personnel transport to remote mining and oil zones in Argentina.
- Engineered a high-complexity **trip tracking** module featuring a real-time calendar for expiration tracking and a sophisticated planning module for personnel shift and availability management.
- Standardized a reusable UI component library using Atomic Design and Storybook, ensuring pixel-perfect execution of Figma designs and accelerating development cycles.
- Spearheaded technical decision-making for offline-first architectures, collaborating with backend and mobile teams to ensure system reliability in zero-connectivity environments.
- Managed state-heavy application logic using **Zustand** and **React Query** for optimized data fetching and synchronization.

GlobalLogic | Senior Full Stack JavaScript Developer *Mar 2023 – Feb 2024*

- Developed and evolved the frontend ecosystem for a leading U.S.-based public financial services provider within a distributed Agile environment.
- Engineered critical features across three distinct Microfrontend repositories, maintaining strict cohesion across a complex financial platform.
- Optimized data loading protocols and resolved deep-tier architectural bugs to improve overall application stability and throughput.
- Enforced rigorous quality standards using **Cypress** and **React Testing Library** for end-to-end and unit testing suites.

Independent Software Contractor | Senior JS & Web3 Developer *Oct 2020 – Feb 2023*

- **Web3/Blockchain:** Architected UIs for Oracle-based applications focused on price tracking, swapping, and vesting; authored and deployed smart contracts using **Solidity** and **Hardhat**.
- **Streaming (Billing Squad):** Led the engineering of high-reliability subscription and payment flows, implementing advanced **Stripe** integrations for a high-growth platform.
- **Real Estate (U.S.):** Acted as the sole engineer responsible for the full-scale maintenance and performance optimization of a U.S. housing platform, focusing on code readability and radical speed improvements.

Darwoft | Full Stack JavaScript Developer *Sep 2019 – Oct 2020*

- Developed a flagship **digital wallet** and home banking portal for a premier Argentine Fintech institution.
- Executed end-to-end feature development and led major refactoring initiatives using **Angular 6** and **NgRx** to enhance vertical scalability.

- Standardized backend documentation using **Swagger**, significantly reducing friction for external team integrations.
- Automated quality assurance with **Jasmine** and **Karma**, ensuring high-availability for financial modules.

3XM Group | Full Stack JavaScript Developer Nov 2018 – Sep 2019

- Built high-transaction financial solutions and **digital wallet** modules for the Argentine banking market.
- Leveraged **NativeScript** to deliver cross-platform mobile capabilities alongside **Angular 6** web implementations.
- Ensured system robustness by implementing comprehensive unit and integration test suites using **Mocha** and **Chai**.

Early Career (Sawubona & Pentamedia) | Junior PHP Developer 2014 – 2018

- Managed technical maintenance for legacy systems, focusing on **PHP** and **MySQL** data structure optimization.
- Optimized database performance by refining complex queries and executing data cleansing tasks.
- Collaborated on modernizing user interfaces using **JavaScript** and **Vue.js** for diverse agency clients.

EDUCATION

- **Universidad Católica de Santa Fe:** Bachelor's in Information Technology (2026 – In Progress).
- **Universidad Tecnológica Nacional:** University Technician in Programming (2017 – 2019, Completed).
- **Universidad Tecnológica Nacional:** Information Systems Engineering (2017 – 2018).
- **Universidad Tecnológica Nacional:** Electronic Engineering (Coursework).

LANGUAGES

- **Spanish:** Native.
- **English:** B2 Professional.