

TOMÁS HEIN RENARD

SENIOR FRONTEND ENGINEER

CONTACT

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🗣️ Spanish (native) English (intermediate)

SKILLS

Core

React v18+ · TypeScript · Next.js · Angular v15+ · Modern ES6+

State & Data

TanStack Query · Zustand · Redux Toolkit · Apollo Client · GraphQL · RxJS · WebSockets · Rest API

Forms & Validation

React Hook Form · Zod

Styling & UI

TailwindCSS · CSS Modules · SASS · PostCSS · UnoCSS · Bootstrap · Radix UI · Headless UI · Ark UI · Material UI · Storybook · Design Tokens · Framer Motion · CSS Animations

Testing

Jest · Vitest · Playwright · Cypress · AI-assisted test generation

Tooling & Infra

Vite · Webpack · esbuild · Rsbuilt · Rspack · Rslib · Turbo · ModernJS · Nx · Turborepo · GitHub Actions · CI/CD · Docker · Vercel · AWS · Module Federation · Npm · i18n · ESLint · Prettier · Biome · SonarCube/SonarCloud · Astro · Vue · SolidJS

Performance & Observability

Lighthouse · Bundle analysis · Core Web Vitals · Code Splitting · Sentry · Datadog

Data Visualisation

D3.js · Recharts · Chart.js

AI & LLMs

Prompt Engineering · Vector DBs · GitHub Copilot · Cursor · Claude · ChatGPT

Backend & Cloud

Node.js · Express · NestJS · Prisma ORM · AWS · Azure — collaborating across the stack and understanding architectural decisions

PROFILE

Senior Frontend Engineer with 10+ years of experience architecting scalable web platforms, design systems, and micro-frontend ecosystems across fintech, health, and enterprise domains.

Strong background in React, TypeScript, and Angular, with a proven track record of leading architectural decisions, mentoring engineers, and shipping high-impact products.

Self-taught technologist with a foundation in graphic and digital design — bringing a rare combination of engineering rigour and product-level UI/UX thinking.

Naturally drawn to ownership of architectural decisions — defining technical direction and the standards others build on. Leadership expressed through the work itself: the structure, the patterns, the foundations.

EXPERIENCE

Senior Frontend Engineer

Americar – Remote (Chile)

2023 – 2026 / 2 years and 6 months

Architected the backoffice platform from scratch using React 18, TypeScript, TailwindCSS, and AWS, serving as the primary technical decision-maker for the frontend stack.

Built and published internal npm packages for a shared design system via Storybook, plus auth and HTTP modules reused across four engineering squads.

Implemented Module Federation to enable independent deployments across teams, reducing deployment cycle time by 60%.

Mentored junior and mid-level engineers through code reviews, architectural guidance, and pair programming sessions.

Integrated LLM-driven tooling into CI/CD pipelines for automated code review, and prototyped AI-assisted unit and E2E test generation — measurably improving sprint velocity and code coverage.

[React 18](#) · [TypeScript](#) · [TailwindCSS](#) · [Module Federation](#) · [Storybook](#) · [AWS](#) · [IA](#) · [CI/CD](#) · [Bitbucket](#)

Senior Frontend Engineer

Onesta – Remote (Chile)

2022 – 2023 / 6 months

Collaborated on architecture design and led development of a core component library distributed via npm, unifying visual and technical experience across the main site and backoffice.

Drove adoption of the shared library across teams, reducing duplication and centralising maintenance.

[React](#) · [TypeScript](#) · [TailwindCSS](#) · [Storybook](#) · [Npm](#)

Databases

MySQL / MariaDB · PostgreSQL · SQL Server · MongoDB · Firebase · DynamoDB · Redis

Mobile & Cross-platform

React Native · Ionic · PWA

Content & CMS

Payload CMS · Sanity · Contentful · Strapi

Accessibility

WCAG 2.2 AA · A11y auditing · Semantic HTML

Design

UI/UX design · Design systems · Design-to-code (Figma, Adobe XD, Sketch) · Design Tokens

FEATURED

Enterprise Micro-Frontend

Led transition from monolithic architecture to a Module Federation-based distributed system, enabling runtime independent deployments across four engineering squads — achieving a 60% reduction in deployment cycle time.

[Module Federation](#) · [Architecture](#) · [Web Standards](#)

AI-Driven Engineering Productivity

Researching prompt engineering strategies for structured JSON outputs integrated with type-safe UI components.

Prototyping automated accessibility (A11y) and performance audit tooling triggered during PR review cycles.

Benchmarking AI-assisted unit test generation against sprint velocity and long-term code coverage metrics.

[LLM](#) · [Prompt Engineering](#) · [Developer Experience](#)

Enterprise Design System & Component Library

Architect and developer of a company-wide design system at Americar; defining the token architecture, theming system, component API, and documentation from scratch.

Built a library of 20+ accessible components (WCAG 2.2 AA compliant from day one) distributed as an internal npm package and consumed by 6 engineering squads.

Deliberately kept external dependencies minimal, reducing bundle overhead and long-term maintenance risk.

Comprehensive Storybook documentation — covering usage guidelines, prop contracts, and accessibility notes — reduced onboarding time and cross-team UI inconsistencies significantly.

Directly contributed to fewer design bugs in production and measurable savings in development time across squads.

[React](#) · [TypeScript](#) · [Storybook](#) · [WCAG 2.2 AA](#) · [npm](#) · [Design Tokens](#) · [TailwindCSS](#)

Senior Frontend Developer

Aureolab – Remote (Chile)

2020 – 2022 / 2 years and 1 month

Led refactoring and architectural modernisation of core platforms for Autofin and Qualimed — migrating legacy codebases to latest React and Next.js with TypeScript and CSS Modules.

Drove continuous development of SalcoBrand's high-traffic public sites, focusing on scalability, Core Web Vitals, and maintainability.

Mentored team members through the TypeScript migration and introduced style modularisation patterns adopted across projects.

[React](#) · [Next.js](#) · [TypeScript](#) · [CSS Modules](#) · [SASS](#) · [Docker](#) · [WebSockets](#)

Frontend Developer

CFOremoto – Santiago, Chile

2018 – 2019 / 1 year and 1 month

Built the company's financial portal from scratch using Angular, TypeScript, and SASS.

Led implementation of WebSockets for real-time streaming of critical financial metrics.

Designed a highly customisable data visualisation dashboard with dynamic charting components.

[Angular](#) · [TypeScript](#) · [SASS](#) · [WebSockets](#) · [RxJS](#) · [D3](#) / [Charts](#)

Frontend Developer

Kunder – Santiago, Chile

2016 – 2018 / 1 year and 8 months

Maintained and extended Banco de Chile's mobile banking app — updating custom native Cordova plugins and ensuring cross-platform stability.

Built Banco Ripley's mobile application from scratch using Ionic and Angular, optimising performance in hybrid environments.

Designed and developed the backoffice for Tanner using React, TypeScript, and Bootstrap — establishing a clean, scalable architecture adopted by internal teams.

Resolved complex technical debt across multiple corporate web platforms through advanced refactoring of legacy JavaScript systems.

[Angular](#) · [Ionic](#) · [Cordova](#) · [React](#) · [TypeScript](#) · [JavaScript](#) · [Bootstrap](#) · [SASS](#)

Desarrollador Frontend

Various Companies – Santiago, Chile

Prior to 2016

Developed websites and digital products using WordPress, PHP, jQuery, and vanilla JavaScript for clients across multiple industries.

[WordPress](#) · [PHP](#) · [JavaScript](#) · [jQuery](#)

BACKGROUND

Self-taught software engineer with a formal background in graphic and digital design (incl. art direction). All technical skills developed through professional practice, industry courses, and continuous self-directed learning.