

Gustavo Madrid

Senior Frontend Engineer · Buenos Aires, Argentina · Remote madridgustavo23@gmail.com · gustavomadrid.dev · linkedin.com/in/gustavomadrid

Senior frontend engineer with six years in React and TypeScript, the last three on a decentralized perpetual-futures exchange — order lifecycle, wallet authentication, on-chain settlement, and real-time charting at production scale. I work on the surfaces where being wrong on screen has a financial cost.

Experience

Carbon — Frontend Engineer (contract)

Jul 2023 – Aug 2026 · Remote · Multi-chain perpetual-futures exchange

Next.js 15, React 19, TypeScript, Redux Toolkit, TanStack Query, wagmi/viem, ethers, styled-components, Chart.js / ECharts / lightweight-charts, Jest

Built the liquidity-provider vault from an empty directory to a live money path in eight weeks — page, mobile layout, backend integration, and on-chain deposit and withdrawal flows with typed-data signature authorization.

Replaced a withdrawal flow that reported success on transaction submission with one gated on receipt confirmation, eliminating a class of false-success states on a money-moving path.

Consolidated scattered wallet-signature prompts into a single surface that enumerates the requirements of the active trading mode, reports per-item status, and runs the sequence unattended.

Root-caused and fixed concurrency defects in that signature layer — including one I had introduced — replacing a shared depth counter with per-operation tokens so a late-settling wallet prompt can no longer clear an unrelated guard. Covered by interleaving tests.

Rewrote chart axis-domain computation to select the smallest 1-2-5 step whose multiples span the padded range within a fixed tick budget. Plot-height utilization on live series improved from 32% to 85%; the same change corrected a timezone defect placing UTC-stamped points on the previous local date.

Built the company's public marketing site single-handed (carbon.inc): expanding asset-class cards, live market ticker, architecture diagram, and a vault panel rendering real TVL and yield, with separate desktop and mobile compositions throughout.

Built the platform analytics suite — open interest, flows, volume, revenue, staking distribution, funding rates — across stacked bar, cumulative line, and depth charts.

Sole author of the team-competition state layer (82% of commits) and the rewards surfaces (74–81%), including a points gauge, fee-rebate tier matrix, and season handling.

Replaced a single-endpoint RPC configuration with multi-endpoint failover and per-call timeouts; reclassified transaction errors by response structure rather than message-string matching.

Sole author of 61 icon components and 53 modal components; authored 33 of the repository's 100 Jest suites.

GoSpace — Software Developer

Feb 2021 — Apr 2023 · Remote · Connected-workplace platform

React, React Native, TypeScript, Three.js, styled-components, Material UI, NestJS

Built interactive office floor plans in Three.js, allowing teams to view and book physical space against live occupancy.

Delivered scheduling and booking flows across the web application and the React Native client.

Shipped the platform's Microsoft Teams integration, the surface through which most users reached the product.

Rather — Frontend Developer

2020 — 2021 · Remote · Social platform for film and television

React, NestJS, Tailwind

Built content scoring, list creation, social following, and recommendation surfaces.

First production frontend role; source of the React and TypeScript foundation.

Selected project

Cooldown — `cooldown.trade`

Solo product · designed, built, and operated

Next.js, TypeScript, Postgres, Redis, Vercel

A trading-psychology tool for perpetual-futures traders. Reconstructs a wallet's complete public fill history into round trips and detects seven behavioral patterns — revenge re-entry, size escalation, overtrading, hold-time collapse, stop-chasing, marathon decay, and instrument recency — each scored against that account's own trailing thirty-day baseline.

Designed and built the detection engine, the streaming scan interface, and the infrastructure, including a long-lived monitoring process outside the serverless tier.

Graded detector thresholds across six rounds against three reference wallets — a documented tilt episode, a negative control, and a disciplined trader — then froze the parameters behind a regression gate. Patterns lacking sufficient data report as dormant rather than as zero, so the interface never presents an absent measurement as a measured absence.

Skills

Core TypeScript · React · Next.js · Redux Toolkit · TanStack Query · styled-components **Web3** wagmi · viem · ethers · typed-data signing · multi-chain RPC · transaction lifecycle **Data & visualization** Chart.js · ECharts

· lightweight-charts · D3 · real-time streaming UI **Backend & infra** Node · NestJS · Postgres · Redis · Vercel
Testing Jest · React Testing Library · regression gating on red baselines **Also** React Native · Three.js · Figma

Education & languages

Diseño Multimedial (coursework) — Universidad Nacional de La Plata, 2018–2020 Spanish (native) · English (professional working proficiency)