

Mahi Mohrechi

Frontend Engineer · React · Next.js · TypeScript

Tehran, Iran

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SUMMARY

Frontend engineer building production React and Next.js applications, including a cryptocurrency exchange and global cloud platforms. Independently migrated a large Next.js codebase from Redux Saga to TanStack React Query across trading, wallet, payment, KYC and authentication flows. Experienced with token-refresh authentication, internationalization, and tracing complex bugs through to release.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, HTML, CSS
Frameworks	React, Next.js, next-intl
State & Data	TanStack React Query, Redux, Redux Saga, Context API, Axios, Fetch API
UI & Styling	Tailwind CSS, Ant Design, MUI, Bootstrap, Styled Components
Testing	Vitest (unit tests)
Tools	Git, GitHub, npm, yarn, Figma

EXPERIENCE

Bitmax · Frontend Developer

June 2024 – Present

Bitmax.ir, an Iranian cryptocurrency exchange

- **Redux Saga to TanStack React Query migration.** Independently designed and executed the migration of server state from Redux Saga to TanStack React Query across 25+ routes of a production Next.js app (trading, wallets, deposits and withdrawals, auth, KYC, auto-investment, enterprise payments). Removed Redux and Saga entirely.
- **Data-access conventions.** Defined and documented the data-access layers (endpoint constants, API calls, query-key factories, service hooks, helpers); each mutation invalidates only the keys it affects.
- **Private cache scoping.** Scoped private query data by user and account, separate from public data, so logout and account switches clear only private caches. Fixed an account-switch cache race with a regression test.
- **Token refresh.** Worked on the shared Axios session layer: concurrent 401s share one refresh, retries are loop-guarded, and sessions end only on a rejected refresh token. Covered by Vitest unit tests.
- **Non-blocking login and account switching.** Removed a login wait on slow profile requests, fixed a stale-token bug, and guarded background account switching against stale responses. Added a shared Skeleton component.
- **Enterprise onboarding and payments.** Built enterprise registration, signatory and group-payment flows: status polling, Excel upload and recap, draft recovery on idempotency conflicts, OTP retry on a stale challenge.

Freelance · Frontend Developer

2022 – Present

- Built independent React and Next.js projects, including a full-stack food ordering app and this portfolio.

Dana Cloud · Frontend Developer

Feb 2025 – Jan 2026

DanaCloud.com and DanaIX.com, global data-center solutions platforms · danacloud.com · danaix.com

- Turned Figma designs into mobile-first, localized pages and shared components in Next.js and Tailwind CSS.
- Built internationalization support in Next.js for English, Korean and additional locales.

Mann-E · Frontend Developer

Nov 2023 – Feb 2024

Generative AI tool that converts text to vector (SVG) graphics (discontinued)

- Built the product frontend with Next.js, Tailwind CSS and Redux for state management.
- Created pages and reusable components for the application.

Elitive · Frontend Developer (discontinued)

Oct 2022 – Apr 2023

- Built the frontend of websites with React and Next.js.

SELECTED PROJECTS

Mehrto – Built the Next.js launch landing page for a Persian wishlist and gift app: right-to-left layout, light and dark themes, reusable components and Framer Motion animation. mehrto.ir

EDUCATION

Bachelor of Applied Chemistry · Islamic Azad University of Karaj

Sep 2017 – Feb 2022