

Mohammad Reza Ghasemi

Frontend Engineer - React / Next.js

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Frontend engineer with over six years of experience building production React and Next.js apps in fintech, insurance, and e-commerce. I have worked on step-by-step migrations of live applications, and I build internal tools that make daily work easier for the team.

EXPERIENCE

Frontend Developer - **SnappPay**

Nov 2024 - Present

- Led the migration of the Vehicle Insurance app to React Query for server-state management: replaced custom fetch and global-store logic with declarative queries and mutations, cut redundant API calls through caching and request deduplication, standardized loading, error and retry handling, and kept data fresh with background refetching and cache invalidation after mutations.
- Built **Pado**, a plugin-based internal dev-tools package used by the team's engineers and QA. Plugins include an in-app debug console (Eruda), a JWT token fetcher, and a form filler that completes forms in one click. The token fetcher also ships as a standalone CLI, Tokenizer.
- Built **vpnctl**, a macOS and Windows CLI (bash and PowerShell) that switches between the Fortinet SSL VPN and OpenVPN with one command. It generates 2FA codes on the device with a TOTP (RFC 6238) implementation written from scratch, and keeps credentials out of plain text.
- Improved frontend error reporting in Sentry: source maps for readable stack traces, noise filtering, release tagging, and better grouping and alerts. Added a shared helper for firing custom Sentry events.
- Built the testing foundation for one of our apps: unit and integration tests with Vitest and React Testing Library, API mocking with MSW, and coverage reporting.
- Contributed to the incremental migration of the Vehicle Insurance app from JavaScript to TypeScript, catching type mistakes at build time instead of in production and making the code easier to maintain.
- Contributed to the migration of the old Vehicle Insurance app to the new one, moving existing features and screens into the new codebase.
- Built a reusable A/B testing component that standardized how experiments are implemented across the app.
- Made AI part of my daily development workflow, using Claude with skills and MCP tools for following our code conventions, handling repeated development tasks, and finding answers in the codebase.

Frontend Developer - **SADAD**

Feb 2024 - Nov 2024

- Developed and maintained web applications with Angular.
- Replaced the team's date picker, which was incompatible with the newer Angular version, with one built from scratch - removing a blocker to the framework upgrade.
- Built a permission-driven sidebar navigation with unlimited nesting, rendering menu depth dynamically from user permissions returned by the API.

Frontend Developer - **TashilCar**

Dec 2022 - Nov 2023

- Built production features with React, Next.js, TypeScript and styled-components, using React Query for API state management and caching.
- Built an internal icon package with a Figma-to-React pipeline that imports icons from a Figma file and exports them as React components, keeping design and code icon sets in sync.

Frontend Developer - **Fanap Plus**

Jan 2021 - Dec 2022

- The company's app was an educational platform for children and teenagers. Built its frontend from scratch with React, Next.js, TypeScript and Tailwind CSS.

Frontend Developer - **Arsh**

Nov 2019 - Dec 2020

- Built admin panels, e-commerce and map-based web apps with React, Redux, Redux Saga, Formik and styled-components, and maintained the company's website on WordPress.

SKILLS

Languages & Frameworks	JavaScript, TypeScript, HTML, CSS, React, Next.js
Data & State	React Query, Redux, Redux Toolkit, Zod
Styling & UI	Tailwind CSS, SASS, MUI, Ant Design, shadcn/ui, Bootstrap, Framer Motion, Storybook
Testing	Vitest, React Testing Library, MSW (Mock Service Worker)
Tools	Vite, Git, GitLab, GitHub
Backend	Node.js, Express

EDUCATION

Industrial Management Institute Master's degree, Industrial Engineering	2016 - 2018
Iran University of Science and Technology Bachelor's degree, Railroad and Railway Transportation	2010 - 2016