Hosein Miri Software Engineer · Frontend (React, Vue, Next.js)

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Summary

Frontend Engineer with 6+ years building production web and mobile interfaces for fintech, crypto banking, payments, AEC engineering software, and edtech. Deep expertise in JavaScript (ES6+), TypeScript, React, Next.js, and Vue 3, with modern build tooling (Vite) and Git-based workflows. Owns features from design to deployment: works closely with designers and backend developers, builds and contributes to design systems, and ships through Docker and CI/CD. Focused on user experience, accessibility, and performance: cut page load by 40%, reduced build time from 4 minutes to 15s, and improved Core Web Vitals. Leads code reviews and sets frontend standards for maintainable code in large codebases and Nx/Turborepo monorepos. Uses AI tools (Claude Code, LLM APIs) daily for debugging, refactoring, and test generation through effective prompting, while holding every change to strong software engineering principles.

Skills

Languages	JavaScript (ES6+ / ES2023+), TypeScript, HTML5, CSS3 / SASS, Go (Gin, GORM)
Frameworks	React, Next.js (SSR, SSG, CSR, hydration), Vue 3, Nuxt, React Native, Expo
UI & Design Systems	Design systems, Storybook, Tailwind CSS, MUI, semantic HTML, responsive design, accessibility, UI/UX principles
Build & Tooling	Vite, Nx, Turborepo, monorepo workspaces & shared packages, Git
State & Data	TanStack Query (React Query), Redux Toolkit, Pinia, Vuex, REST APIs, WebSockets, Socket.io, caching strategies
Performance & PWA	Core Web Vitals, profiling, code splitting, lazy loading, PWA / Service Workers
Testing & Debugging	Jest, Vitest, React Testing Library, Playwright, Cypress, cross-browser testing, browser debugging
Delivery	Docker, CI/CD (GitHub Actions, GitLab CI), Kubernetes
Security	Auth & session flows, 2FA, secure token handling, XSS / CSRF prevention
AI Workflows	Claude Code & AI coding assistants (debugging, refactoring, test generation, prototyping), prompt engineering, LLM API integration
Fundamentals	OOP, data structures & algorithms, browser runtime & networking

Professional Experience

Software Engineer, VPay 07/2025 – 06/2026 | Singapore

- Owned the Omni Bank product end-to-end, from technical design and architecture through implementation, testing, and release. Built the web app from the ground up with React, Next.js, TypeScript, and Tailwind CSS.
- Extended the product to mobile with React Native and Expo, delivering a consistent, high-performance banking experience across web and mobile.
- Designed reusable, modular React components and standardized patterns for API calls and error handling, improving maintainability without adding unnecessary complexity.
- Architected the API communication layer and session/token management, resolving recurring 401 authentication errors and hardening app stability and security.
- Set up automated testing: unit and integration tests with Jest/Vitest and React Testing Library, and E2E flows with Playwright/Cypress, all running in CI/CD pipelines (GitHub Actions / GitLab CI).
- Drove continuous performance monitoring, profiling, and refactoring, noticeably improving load time and user transaction speed.
- Collaborated with backend and DevOps teams on client-server data flow, and built supporting APIs in Go (Gin, GORM) for Withdraw, Top-up to Card, and Swap, reducing integration time and deployment friction.
- Used AI-assisted workflows (Claude Code) daily for debugging, codebase exploration, refactoring, test generation, and prototyping, with every change held to code review, testing, and security standards.

Frontend Engineer, Ardaena · Contract 01/2026 – 06/2026 | Iran

- Built and maintained scalable frontend applications for algorithm-driven AEC (architecture, engineering, construction) platforms with JavaScript, Vue 3, and Nuxt.

- Developed interactive UIs for computational design workflows, with real-time feedback and visualization for design iterations and engineering simulations.
- Designed reusable component systems shared across design tools and engineering dashboards.
- Partnered with backend and algorithm teams to translate complex optimization logic into intuitive, pragmatic user interfaces, integrating BIM data and large-scale structural datasets.
- Optimized rendering and interaction speed for data-heavy views, and ensured cross-browser compatibility and responsive design.

Frontend Engineer, VeilBank · Contract 01/2026 – 05/2026 | China - Remote

Privacy-first omni-bank integrating fiat and crypto infrastructure

- Developed core user-facing features in React, including dashboards for multi-currency accounts, payments, and digital asset management.
- Implemented complex financial UI flows: transaction history, wallet balances, card management, and cross-border payment forms.
- Built reusable component libraries and optimized state management to keep feature development scalable.
- Integrated secure REST and WebSocket APIs for real-time balance updates and transaction status, and reduced unnecessary re-renders in data-heavy views.
- Ensured responsive, accessible design across desktop and mobile, applying client-side security best practices throughout.

Front-End Engineer, Hiexchange 08/2023 – 07/2025 | Tehran, Iran

- Led the migration from Vue 2 to Vue 3 with Tailwind CSS, paying down legacy technical debt and improving development speed and UI consistency.
- Reduced build times from 4 minutes to under 15s by moving the toolchain to Vite, and improved Core Web Vitals.
- Cut page load time by 40% and improved API response speed by 20% by profiling bottlenecks, auditing code, adding lazy loading, and removing render-blocking assets.
- Built a real-time wallet feature with WebSockets and led code reviews, setting team standards for quality and maintainability.
- Dockerized the front end, streamlining developer onboarding, CI/CD, and scalable deployments.
- Shipped Russian i18n support, driving a measurable increase in registrations from Russian-speaking users.

Front-End Engineer, Nikpardakht 10/2022 – 05/2025 | Tehran, Iran

- Redesigned the platform UI/UX and integrated an internal design system with product designers, improving accessibility, navigation, and visual consistency.
- Worked in an Nx/Turborepo monorepo with shared packages and clear workspace boundaries, keeping the design system and core modules reusable across apps.
- Implemented Two-Factor Authentication (2FA), strengthening account security and user protection.
- Developed the Wallet feature, including withdrawal and deposit flows, and integrated cryptocurrency payments for buying, selling, and exchange.
- Built the Tickets feature (create, track, and manage support requests) and the Stories feature (real-time content and promotions), partnering with designers on dynamic layouts.

Front-End Developer, Oteacher 07/2020 – 04/2022 | Tehran, Iran

- Built a custom UI component library in Storybook with 50+ components, cutting development time by 30% and enforcing consistent design.
- Redesigned the web application, increasing user engagement by 20% and session duration by 15%.
- Improved technical SEO with Next.js server-side rendering and static generation, semantic structured headings, optimized metadata, and canonical tags, increasing organic users by 30%.
- Optimized front-end loading performance, reducing load time by 40% and improving user retention.
- Built a real-time chatroom with Socket.io, increasing user interaction in a stable, interactive environment.

Education

Bachelor's Degree, Computer Software Engineering 02/2020 – 02/2023

IAU - Eslamshahr Tehran Branch