Hossein Moradi

Front-End Architect | React, Next.js & TypeScript | Scalable System Design

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Summary

Front-End Architect with 4+ years of experience specializing in high-performance **React** and **Next.js** ecosystems. Leverages a robust background in backend engineering (**Laravel**) to design scalable, API-driven frontend architectures. Committed to delivering **maintainable code**, optimizing **web performance**, and driving technical ownership with a clear focus on **business impact**.

Experience

Iranian Embedded Systems (SaaS Solutions) — Dec 2023 - Present
Founding Frontend Engineer — Tehran, Iran (Remote)
🔗 https://www.iesys.ir

- Architected and launched the MVP for a suite of high-traffic SaaS products in **FinTech** and **PropTech**, translating complex business requirements into scalable **Next.js** architectures.
- Engineered a real-time **Stock Market Dashboard** using **WebSockets** and **Redis**, visualizing high-frequency financial data with zero latency and optimizing rendering performance for large datasets.
- Developed a secure **Digital Real Estate Platform**, implementing complex multi-step form validation and state management to digitize legal contract procedures according to strict compliance standards.
- Built a dynamic **Cybersecurity Assessment Tool** with complex logic branching and automated report generation, functioning as a clone of the CSET standard.

Eseminar (Leading EdTech Platform) — Dec 2023 - Apr 2024
Software Engineer — Tehran, Iran (Remote)
🔗 https://eseminar.tv/

- Spearheaded the strategic refactoring of a massive legacy codebase, transforming monolithic structures into modular **Nuxt.js** components to significantly reduce technical debt and improve maintainability.
- Optimized high-traffic webinar rooms by implementing advanced **Redis** caching strategies and **Laravel** backend tuning, drastically accelerating **Server-Side Rendering (SSR)** and reducing Time-to-Interactive (TTI).
- Engineered scalable platform features supporting **thousands of concurrent users**, ensuring system stability and seamless real-time experiences during peak load.

Rahatbin (Software Agency) — Aug 2022 - Dec 2023
Software Engineer — Tehran, Iran
🔗 https://rahatbin.com/

- Architected a scalable **Ride-Hailing PWA** using **Next.js** and **Leaflet/Mapbox**, integrating **WebSockets (Pusher)** to achieve sub-second latency for real-time driver tracking and route optimization.
- Engineered a real-time **Multiplayer Game Platform** utilizing **WebRTC** for seamless in-game voice chat and custom **Self-Hosted WebSockets** to manage concurrent state without third-party dependencies.

FaraDars (Largest EdTech Platform) — Oct 2021 - May 2022
Software Engineer — Tehran, Iran (Remote)
🔗 https://faradars.org/

- **Executed the architectural migration** of the core platform from a legacy Monolith to a modern **React SPA**, preserving SEO ranking and ensuring zero downtime for **millions of monthly users**.
- **Refactored** unstructured jQuery codebases into modular **React components** and optimized backend APIs (**Laravel**) to support a high-performance Headless architecture.

Education

Arak University of Technology — 2016 – 2021
Electrical Engineering — B.Sc

Skills

Core Architecture & Frontend
TypeScript, JavaScript (ES6+), Next.js (App Router), React.js

State Management & Data
TanStack Query, Zustand, Redux Toolkit, Context API

Visual Engineering & UI
Three.js (WebGL), Framer Motion, Tailwind CSS, Shadcn/UI, CSS Modules, Responsive Design

Backend & Ecosystem
Laravel (PHP), Redis, WebSockets, MySQL, PostgreSQL

Tools
Vercel, Agile/Scrum, Git/GitHub, Docker