

HOSSEIN NASIRI

Senior Software Engineer

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📍 Tehran, Iran (Visa Sponsorship Required)

PROFESSIONAL SUMMARY

Experienced Software Engineer with 7+ years specializing in scalable software architectures, system performance, and infrastructure optimization. Proven track record of leading large-scale migrations (500k+ LOC), designing micro-frontend systems, and delivering high-performance applications serving 400K+ concurrent users. Expert in combining deep technical knowledge to drive measurable business impact.

TECHNICAL SKILLS

- **Backend:** Node.js, Express, NestJS, GoLang, Echo, Django.
- **Infrastructure:** Docker, K8S, Nginx, Gitlab, CI/CD Pipelines, CDN Optimization, ISTIO.
- **Frontend:** React, TypeScript, Vue.js, Tanstack, WebSocket, Service Worker, Vite, Webpack, Vitest, Module Federation.

WORK HISTORY

Tapsi (Ride-Hailing)

Senior Software Engineer (Technical Lead)

Jul 2023 – Present

Tehran, Iran

- **Real-Time Gaming Platform (Daberna):** Architected and delivered a high-scale gaming platform from concept to production, serving 400K+ simultaneous connections with sub-100ms latency. Engineered real-time bidirectional communication using WebSockets, implemented optimized state reconciliation, and designed fault-tolerant infrastructure handling millions of concurrent game sessions with 99.9% uptime.
- **Build Performance:** Led Webpack 4 to 5 migration, reducing production build times from 200s to under 40s (80% improvement) and cutting cold-start dev mode from 60s to 7s through optimization of caching strategies and module resolution and bundler upgrade (having legacy and custom build and dev scripts).
- **Micro-Frontend Architecture:** Architected a scalable micro-frontend ecosystem across more than 10 services using Same-Origin-Deployed-Apps and Docker/K8S, enabling independent deployments and reducing cross-team dependencies.
- **Web Performance & Delivery:** Overhauled the web app's untouched legacy Service Worker onto Workbox with a redesigned caching strategy, and built a responsive image pipeline that paints a 64x64 placeholder before fetching full-resolution assets from ArvanCloud's on-the-fly resize CDN, guarded by a circuit breaker with retry and exponential back-off. Cut p75 LCP from 4.2s to under 3s and p75 INP from 800ms to 300ms for 3M+ daily users.
- **Legacy Modernization:** Led core system modernization (React 16 to 19) and state management migration (Flux to TanStack Query), increasing engineering team velocity by 40%.
- **Developer Platform (MergeScout):** Joined the Development Platform team building tooling for engineers, and shipped MergeScout, an AI review gate that runs on GitLab CI merge requests and publishes confidence-filtered findings as review comments. Instrumented the feedback loop it needed to earn trust: per-run precision and recall scored against the human reviewer thread, structured reaction signals, and tokens per changed line as a cost guardrail.

Yektanet (Digital Marketing Platform)

Senior Software Engineer

Feb 2022 – Jul 2023

Tehran, Iran

- **End-to-End Ownership (Janshvare):** Owned "Janshvare" end to end, a revenue-critical advertising product accounting for 20% of total company revenue. Architected and hands-on implemented both frontend (Vue.js 3 with lazy-loading, code-splitting) and backend services (NestJS APIs, data pipelines), while coordinating cross-functional teams of frontend and backend engineers to deliver the complete solution.
- **TypeScript Migration:** Led enterprise-wide TypeScript adoption across a 50,000+ LOC codebase, reducing production runtime errors by 35% through strict type enforcement and automated migration tooling.
- **DevOps & System Reliability:** Established CI/CD pipelines, automated deployment workflows, and system monitoring solutions. Managed production infrastructure, implemented performance optimizations, and handled incident

response, gaining deep expertise in full-stack operations and system maintenance.

- **Internal Tooling:** Engineered a comprehensive UI component library and advanced Data Grid supporting batch actions and dynamic columns, reducing internal tool development time by 50%.
- **Bundle Optimization:** Refactored legacy architecture using Composition API and tree-shaking, reducing final bundle sizes by 40%.

Hacotech (ERP Solutions)

Apr 2021 – Feb 2022

Senior Frontend Engineer

Tehran, Iran

- **Design System:** Built an enterprise design system adopted across 5 distinct products, ensuring 90% UI consistency and accelerating cross-product feature development.
- **E-Commerce Platform:** Launched “My Hacoupian,” the company’s first e-commerce channel, driving 30% revenue growth and implementing PWA features that increased mobile engagement by 45%.

Self Employed

Sep 2020 – Apr 2021

Full-Stack Engineer

Tehran, Iran

- **E-Commerce Platform:** Developed a complete retail e-commerce solution using WordPress/WooCommerce with extensive custom plugin development (PHP), implementing specialized business logic and payment workflows tailored to client requirements.
- **Logistics Management System (RaadBaar):** Architected and delivered a comprehensive cargo/trucking management platform featuring real-time pricing algorithms, smart order booking system, and administrative dashboards. Built with Django (Python) backend and Vue.js frontend, handling complex logistics workflows and order tracking.

ECHA (IoT Solutions)

Jul 2019 – Sep 2020

Developer & IoT Enthusiast

Tehran, Iran

- **Smart IoT Systems:** Co-founded the business and built custom IoT systems for commercial clients, including an automated smart cabinet for fitness facilities with RFID and fingerprint authentication, solenoid-based locking, and a web administration panel for real-time monitoring and access control.

EDUCATION

Bachelor of Science in Computer Engineering

2014 – 2018

Amol University of Special Modern Technologies

Amol, Iran

LANGUAGES

English: Professional Working Proficiency | **Turkish:** Native/Bilingual