

Seyed Amirmohammad Mousavi

Software Engineer | Full-Stack Web Developer

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SUMMARY

Software Engineer & Full-Stack Developer with 3+ years of hands-on experience designing and implementing scalable web systems. Experienced in developing real-time services, backend architectures, e-commerce platforms, and distributed systems, with a strong focus on clean architecture, reliability, and performance optimization. Proven track record delivering 20+ projects.

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer — Freelance & Commercial Projects

2025 — Present

- Architected and delivered end-to-end web projects spanning frontend interfaces, scalable backend APIs, and databases with Next.js, NestJS, and TypeScript; shipped 20+ products with 99% client satisfaction.
- Designed normalized database schemas in PostgreSQL and implemented sub-millisecond Redis caching layers, significantly reducing database load and API response latencies.
- Containerized microservices using Docker and created unified development environments that standardized build and debugging lifecycles.

MERN Stack Developer — Client Solutions & Early Contracting

2024 — 2025

- Engineered interactive web applications with the MERN stack (React, Node.js, Express, MongoDB) featuring secure JWT authentication and role-based access controls (RBAC).
- Implemented modular, responsive UI components using React and Tailwind CSS, substantially enhancing rendering speed and frontend runtime efficiency.
- Constructed optimized RESTful endpoints and MongoDB aggregation pipelines to process and filter high-throughput data streams concurrently.

Software Scripting & Engineering Foundations — SA-MP & Web Engineering

2022 — 2024

- Programmed concurrent multiplayer server logic in Pawn, emphasizing low-level memory management, algorithmic optimization, and event-driven architecture.
- Transitioned into web engineering by mastering core web standards (HTML5, CSS3, JavaScript) and implementing successful experimental projects.

EDUCATION

Bachelor of Science in Computer Engineering — Islamic Azad University, Karaj Branch

2025 — Present

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3

Frontend: React.js, Next.js (App Router), Redux, Tailwind CSS, Vite, Zustand, Responsive UI

Backend: Node.js, NestJS, Express.js, RESTful APIs, WebSockets, Microservices Architecture

Databases & ORM: PostgreSQL, MongoDB, Redis (Caching & Pub/Sub), Prisma ORM, Drizzle ORM

Infrastructure & Tools: Docker, RabbitMQ, Linux, Git & GitHub, Postman, Swagger / OpenAPI

FEATURED PROJECTS

Online Taxi Monorepo Backend | *NestJS, PostgreSQL, WebSocket, RabbitMQ, Redis, Docker* [\[GitHub\]](#)

2026

- Architected a modular NestJS backend within an Nx Monorepo structure, cleanly decoupling domains and enforcing Clean Architecture boundaries.
- Implemented real-time geolocation tracking and driver-passenger dispatching via persistent WebSockets and Redis Pub/Sub mechanisms.
- Integrated RabbitMQ asynchronous message queues to distribute system workloads and guarantee fault tolerance under heavy concurrent traffic.
- Fully containerized services via Docker Compose and created interactive documentation for 20+ REST API endpoints using Swagger / OpenAPI.

Apple Storefront E-Commerce Platform | *Next.js, TypeScript, Tailwind CSS, Swiper* [\[GitHub\]](#)

2026

- Developed a high-performance storefront with Next.js App Router and TypeScript, leveraging SSR and ISR for sub-second page loads.
- Engineered client-side state management for real-time shopping cart interactions, multi-attribute dynamic filters, and automated price calculations.
- Designed a responsive, mobile-first design system with Tailwind CSS paired with touch-optimized multimedia carousels using Swiper.
- Optimized Core Web Vitals and image delivery pipelines, achieving a 95+ performance score on Google Lighthouse.

Gaming Accounts Marketplace Platform | *Next.js, NestJS, PostgreSQL, Redis*

2026

- Delivered an end-to-end marketplace with a Next.js frontend and NestJS backend for secure trading of digital gaming accounts and assets.
- Implemented Redis-based distributed locking to eliminate race conditions, automating order fulfillment pipelines and checkout settlements.
- Designed normalized relational schemas in PostgreSQL ensuring strict ACID compliance for all financial transaction records.
- Configured authentication with JWT and secure HttpOnly cookies alongside multi-tier role authorization for buyers, sellers, and administrators.

LANGUAGES

English — B2 (Upper-Intermediate) | **Persian** — Native