Mahdi Heidari *Software Engineer*



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Summary

Software Engineer with nearly six years of experience developing enterprise ERP applications. Skilled in TypeScript, API integration, software architecture, and automated testing, with hands-on full-stack experience using NestJS and PostgreSQL. Experienced in Agile teams, improving code maintainability, and AI-assisted development. Interested in building reliable backend services for complex business operations.

Skills

Languages: TypeScript, JavaScript (ES6+)

Backend & APIs: NestJS, RESTful APIs, GraphQL, Zod

Databases: PostgreSQL, Prisma, Supabase

Testing: Jest, Vitest, Unit Testing, Integration Testing

Tools: Docker, Git, GitHub, GitLab

Frontend: React, Next.js, Redux

Practices: Agile, Scrum, Code Refactoring, AI-assisted Development

Professional Experience

RDSysCo

Software Engineer 07.2020 – 06.2026 | Canada (Remote)

- Developed, maintained, and refactored more than 10 enterprise ERP modules using TypeScript, React, Redux, and Next.js.
- Integrated REST and GraphQL APIs to support data exchange between frontend applications and backend services.
- Improved application architecture, component reusability, and code maintainability across enterprise modules.
- Contributed to unit and integration testing and collaborated with developers in an Agile environment.

Frontend Developer Intern 02.2020 – 07.2020 | Canada (Remote)

- Built reusable React components and contributed to web-based enterprise applications.
- Supported API integration, frontend troubleshooting, and application improvements.

Projects

FlowForge , *Full-Stack Workflow Automation Platform*

Technologies: NestJS · TypeScript · PostgreSQL · Prisma · Next.js · Jest · Vitest

- Developed backend services and type-safe API contracts for a full-stack workflow automation platform.
- Implemented PostgreSQL persistence with Prisma and automated testing using Jest and Vitest.
- Built workflow-related functionality and applied AI-assisted development practices.

TaskFlow , *Web-Based Task Management Application*

Technologies: Next.js · TypeScript · Supabase · PostgreSQL · Row-Level Security

- Developed a task management application with Google and GitHub authentication and PostgreSQL-backed data storage.
- Implemented real-time data synchronization, role-based access controls, and optimistic UI updates.

Education

Bachelor of Science (B.Sc.) in Computer Engineering 09.2019 – 07.2024 | Kermanshah, Iran

Kermanshah University of Technology

Languages

German: B2 (ÖSD B2 examination completed; results pending), **English:** B2, **Persian:** Native