

Mahdi Heidari Software Engineer

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Profile

Software Engineer with 4+ years of experience building and maintaining large-scale **React** and **TypeScript** applications in production environments. Experienced in frontend architecture, performance optimization, reusable component design, and collaborative product development within **Agile** teams. Passionate about writing maintainable software, simplifying complex systems, and improving developer experience through **clean code** and scalable frontend patterns.

Skills

React.js, Next.js, Vue.js, JavaScript (ES6+), TypeScript, Redux, React Query, Zustand, Context API, Unit Testing, Integration Testing, End-to-End (E2E) Testing, RESTful APIs, GraphQL, HTML, CSS, SCSS/SASS, Tailwind CSS, Bootstrap, Git, GitHub, GitLab, Jira, Agile, Scrum

Professional Experience

Software Engineer, [RDSysCo](#) 07/2020 – 06/2026 | Canada (Remote)

A software company specializing in web-based ERP solutions for the oil and gas industry.

- Refactored 10+ ERP modules using **React**, **TypeScript**, **Redux**, and **Next.js** while applying **clean code** and **KISS** principles, improving maintainability and reducing frontend complexity.
- Improved frontend performance by ~20% through **React** rendering optimization and **Redux** state restructuring.
- Integrated **REST** API and **GraphQL** data flows across enterprise ERP workflows while contributing to **unit** and **integration testing** processes.

Software Engineer (Intern), [RDSysCo](#) 02/2020 – 07/2020 | Canada (Remote)

- Developed reusable **React** components and improved UI structure across legacy frontend modules.
- Assisted senior developers with **API** integration, bug fixing, and frontend debugging in production environments.
- Gained hands-on experience with **Redux** patterns, **Agile** workflows, and collaborative frontend development.

Projects

[TaskFlow](#), Next.js, TypeScript, Supabase, PostgreSQL, Tailwind CSS, RLS, DnD Kit, Bun

- Developed a real-time task management application with Next.js, Supabase, PostgreSQL, Google/GitHub OAuth, Row Level Security (RLS), and drag-and-drop workflow management.

[Drag-and-Drop Form Builder](#), React, TypeScript, DnD Kit

- Dynamic form builder with sortable layouts, reusable components, and row-based drag-and-drop interactions.

[To-do App](#), React.js, Next.js, TypeScript, Tailwind CSS, DnD Kit

- Task management application built with Next.js, TypeScript, and Tailwind CSS featuring drag-and-drop interactions and nested task organization.

Education

Bachelor of Science in Computer Engineering (B.Sc.), Kermanshah University of Technology 09/2019 – 07/2024

Languages

German: B2 (actively improving) | **English:** B2 (working proficiency)