Morteza Mogharrab

Contact

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Education

Master of Computing Science
(Multimedia), *2023 – 2025,* CGPA (4 / 4)
University of Alberta, Edmonton, Canada

Skills

I. Frontend Development

Core: React, React Native, TypeScript, JavaScript (ES6+), Expo, LinguiJS, Vite, Webpack

State Management: Redux, Context API

UI & Styling: StoryBook, Material-UI, CSS3, Sass, Tailwind CSS, Chakra UI

API & Data Integration: RESTful API, GraphQL, Postman, Axios, Apollo, Firebase

Performance: Lazy Loading, Code Splitting, Media Optimization, React.memo, Virtualization

Accessibility: WCAG 2.2 AA, ARIA, Keyboard Navigation, Screen Reader Support

Routing & Navigation: File-based Routing, Traditional Routing (React Router, React Navigation, etc.)

II. Developer Tools & Workflow

Git, GitHub, Bitbucket, Jira, Docker, CI/CD, Pre/Post-commit hooks, Hosting (Vercel, Netlify), Confluence, VS Code, Chrome DevTools, Browser Testing Tools**,** Jest, Cypress, Lighthouse

Honors & Awards

Graduate Course-based Master's Community Engagement Award - *University of Alberta*
Recognized for outstanding academic achievement, leadership, and significant contributions to community service and volunteerism.

Summary

Software Developer with hands-on experience in React, React Native, TypeScript, and Java Spring Boot, passionate about building scalable, accessible web and mobile applications. Proficient in state management (Redux, Context API), RESTful/GraphQL API integration, and WCAG 2.2 AA accessibility compliance. Experienced in leveraging AI tools to enhance development workflows and code quality. Strong collaborator within cross-functional teams, committed to continuous learning and contributing to innovative projects. Seeking junior front-end and full-stack developer opportunities to grow technical expertise while delivering user-focused solutions.

Work Experience

PetoLab *- Edmonton, Alberta, Canada · On-site*

Full stack Developer *- May 2025 – Present*
- Currently developing a comprehensive end-to-end internal admin dashboard for PetoKingdom, designed to centralize operations and increase efficiency across DevOps, Product, Analytics, and Content Management teams. Built with React.js, Java Spring Boot, Docker, AWS, RESTful APIs, and PostgreSQL.
- Implementing scalable solutions, including real-time analytics dashboards, dynamic feature toggle systems, integrated A/B testing frameworks, headless content management capabilities, and advanced user segmentation tools to support data-driven decision making across the organization.

Front-End Developer (Co-op) *- May 2024 – April 2025*
- Collaborated in developing a multilingual, cross-platform social media app using Expo (React Native) and TypeScript, contributing to modular component architecture for enhanced scalability.
- Implemented multilingual support across multiple languages using LinguiJS, contributing to an estimated ~40% expansion in potential user base.
- Contributed to Redux implementation for state management, helping optimize data flow and streamline GraphQL/RESTful API integration, which improved application performance and scalability.
- Ensured accessibility compliance (WCAG 2.2 AA) by embedding POUR principles into the design, making the app inclusive for all users.
- Supported the integration of real-time features (messaging, camera, maps, Firebase notifications, and SSO), enhancing user interaction.
- Collaborated with cross-functional teams to integrate AI-powered recommendation systems, image classification, and content generation features, contributing to projected 20% boost in user engagement and personalization.
- Contributed to CI/CD pipeline optimization, helping reduce release cycles and improving team productivity.

Projects

Interactive Stock Market Visualization Dashboard
- Developed a responsive dashboard using React, Vite, and Material-UI, integrating the Financial Modeling Prep API with Axios.
- Implemented features such as debounced search, interactive Plotly.js charts with multi-range selection, Chart.js financial statement comparisons, detailed company profiles, score visualizations, and an MUI DataGrid-powered watchlist.
- Designed a modular React architecture with custom Hooks (e.g., useDebounce), Moment.js for date formatting, and enhanced UX through loading states, error handling, and dark mode support.