

Morteza Mogharrab

Contact

Phone: (780) 238-2524

Email: mogharra@ualberta.ca

LinkedIn: /morteza-mogharrab

Website: morteza-mogharrab.github.io

GitHub: github.com/morteza-mogharrab

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
State Management: Redux, Context API
UI & Styling: Material-UI, CSS3, Sass, Tailwind CSS, StoryBook, Responsive Design
API & Data Integration: RESTful API, Axios, GraphQL, Real-time Data Synchronization
Accessibility: WCAG 2.2 AA, ARIA, Keyboard Navigation, Screen Reader Support
Routing & Navigation: File-based Routing, React Router, React Navigation

II. Backend Development

Core: Java Spring Boot, PostgreSQL, JWT Authentication, Docker, AWS
APIs: RESTful API Design, Multi-role Authorization, Error Handling
Infrastructure: Spring Security, Database Design, Cloud Deployment

III. Developer Tools & Workflow

Git, GitHub, Bitbucket, Jira, Confluence, VS Code, Chrome DevTools, Postman, Jest, CI/CD, Vercel, Netlify

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 1.5 years of experience building cross-platform applications using React, React Native, TypeScript, and Java Spring Boot. Proven track record of developing 50+ reusable UI components, implementing multilingual support, and integrating backend APIs for real-time data synchronization. Experienced in building analytics platforms, authentication systems, and user management features. Skilled at resolving cross-platform compatibility issues and optimizing application performance. Seeking full-stack developer opportunities to contribute to innovative projects while expanding technical expertise in scalable web and mobile applications.

Work Experience

PetoLab - Edmonton, Alberta, Canada · On-site

Full stack Developer - May 2025 – Present

- Built a comprehensive analytics platform from the ground up using React.js, TypeScript, and Java Spring Boot, processing 15+ activity sources to deliver real-time dashboards for user engagement and platform growth metrics
- Implemented enterprise-grade JWT authentication system with multi-role authorization (4+ roles), resolving critical security vulnerabilities and enabling seamless admin user management
- Architected scalable full-stack infrastructure using Spring Boot, PostgreSQL, Docker, and AWS, transforming legacy error handling into an enterprise-grade system with comprehensive audit trails
- Developed advanced dashboard features including user management, CRUD operations, role-based access controls, and interactive data visualizations supporting multiple periods and chart types
- Currently building dynamic feature toggles, A/B testing frameworks, email notifications, and server-to-server communication infrastructure

Front-End Developer (Co-op) - May 2024 – April 2025

- Developed cross-platform social media app using Expo (React Native) and TypeScript, building 50+ reusable UI components including modals, date pickers, toggles, and navigation systems across iOS, Android, and Web platforms
- Implemented comprehensive multilingual support using LinguiJS for Chinese and English languages, including translation management, notification localization, and text formatting across entire application
- Built and integrated user management systems including settings pages, account security, notification preferences, profile editing, and user authentication flows with backend API integration
- Created pet management features including profile creation, editing workflows, relationship tracking, and AI-powered analysis feedback systems with real-time data synchronization
- Resolved 30+ cross-platform compatibility issues including styling inconsistencies, scrolling problems on iPad, time-zone detection, cache functionality, and responsive design optimization
- Developed social features including QR code sharing, user blocking/reporting, comment systems, and profile navigation with backend API integration and real-time updates