

Monika Moanes

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Summary

Software Engineering Graduate with hands-on experience in **full-stack JavaScript** and **mobile development** using React, React Native, Node.js, and .NET. Skilled in designing and deploying **scalable, user-centric applications** and optimizing system performance across the stack. Passionate about building clean, efficient solutions and contributing to collaborative, fast-paced software teams.

Work Experience

Software Engineer Research Assistant Intern

September 2024 - December 2024

Healthcare System R&A - Waterloo, ON

- Engineered mobile interfaces in Android Studio (Java) for real-time data visualization, providing researchers with actionable insights from patient data.
- Automated data integration pipelines using Python and SQL, **reducing manual processing time by 40%** and improving research data availability for ML experiments.
- Conducted model validation and performance testing, **enhancing accuracy of predictive healthcare models from 78% to 85%**.

Full Stack Web Developer Intern

September 2022 - December 2022

Consoltec FlowFit - Montreal, QC

- Optimized **.NET APIs** and **SQL queries**, reducing backend response time from **2.5s to 0.9s** for document comparison requests.
- Built and deployed **React dashboards** on **AWS**, enabling real-time tracking and analytics for enterprise clients.
- Collaborated with cross-functional teams using **Agile/Scrum** to deliver new product features on time and within scope.

Projects

Sports Mobile App | [Live Demo](#)

April 2025

- Led the development of a cross-platform mobile application using React Native and Redux for state management.
- Conducted end-to-end performance and usability testing on Android and iOS simulators.
- Tracked and resolved device-specific bugs to improve performance consistency.
- Improved app startup time by **30%** and optimized Redux state management to ensure **smooth cross-platform performance**.

Condo Management System (Mini Capstone Project)

December 2024

- Architected a **full-stack responsive web application** using **React**, **Tailwind CSS**, and **Node.js**.
- Implemented secure CRUD functionality for residents, admins, and payments.
- Delivered all features ahead of schedule by managing sprints through **Agile/Scrum**.

Education

Concordia University, Montreal, QC

Graduated: June 2025

Bachelor of Engineering in Software Engineering.

Relevant Coursework: Web Development • Data Structures & Algorithms • Software Design • Database Systems
• Networking • Information System Security

Skills

Programming Languages: Java, Python, JavaScript, TypeScript, C#, C, HTML/CSS, SQL

Frameworks & Libraries: React, React Native, Node.js, Express, Redux, .NET

Tools & Platforms: Git, GitHub, Android Studio, IntelliJ, Visual Studio, Figma, MongoDB, AWS, Azure

Methodologies: Agile/Scrum, RESTful API Design, UI/UX Implementation, Performance Optimization