

# Monika Moanes

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Portfolio: <https://monikaamoanes.github.io/Portfolio>

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## Summary

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Full Stack Software Engineer graduate with practical experience developing responsive web and mobile applications using **React, Node.js, .NET, React Native, and Firebase**. Skilled in **both frontend and backend development, database design (SQL, MongoDB)**, and building scalable, high performance systems. Strong focus on writing clean, maintainable code and improving UI/UX through modern design principles. Collaborative team player experienced in **Agile/Scrum environments**, passionate about delivering reliable, user focused software solutions.

## Skills

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

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

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

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

## Work Experience

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### Software Engineer Research Assistant Intern | Sep 2024 - Dec 2024

Healthcare System R&A - Waterloo, ON

- Built Android interfaces for real-time visualization of nationwide patient data.
- Preprocessed and managed large-scale datasets in Python and SQL.
- Applied ResNet-18 to improve predictive model accuracy from 78% to 85%.
- Automated data workflows, cutting manual processing by 40%.

### Full Stack Web Developer Intern | Sep 2022 - Dec 2022

Consoltec FlowFit - Montreal, QC

- Developed and maintained company homepage and backend using C# MVC, integrating front-end and back-end functionality.
- Collaborated with clients to manage and update XML data files for enterprise workflows.
- Optimized backend APIs and SQL queries, improving system response times and reliability.
- Worked within Agile/Scrum teams to deliver features on time and maintain code quality.

## Volunteer Experience

### Web Developer - Saint Mary church Egypt | Jan 2024 - Present

- Developed and maintained church websites and applications using JavaScript, React, and Firebase.
- Implemented key features including homepage, event management, and attendance tracking.

## Projects

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### Sports Mobile App | [Live Demo](#) | April 2025

- Worked on the frontend team, implementing UI/UX designs from Figma and ensuring seamless user experience.
- Connected frontend with backend services and integrated real-time features.
- Added QR code functionality for event check-ins and user interactions.
- Conducted performance and usability testing on Android/iOS simulators.
- Gathered user feedback, receiving 88 positive votes on app usability and design.

### Condo Management System (Mini Capstone Project) | December 2024

- Developed a full-stack responsive web application, handling both frontend (React, Tailwind CSS) and backend (Node.js, SQL) development.
- Implemented secure CRUD functionality for residents, admins, and payments.
- Collaborated in Agile/Scrum sprints, delivering all planned features ahead of schedule.

## Education

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Bachelor of Engineering in Software Engineering | Graduated: June 2025

Concordia University – Montreal, QC