

# Reynald Maala

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## SUMMARY

Versatile software developer with experience designing efficient, user-friendly solutions for Winnipeg’s healthcare and music industries. Skilled in full stack development, UI/UX design, and cloud-based solutions to create maintainable software that solves real-world challenges. Eager to contribute strong technical skills and a fresh perspective to a team focused on improving lives through innovative technology.

## PROFESSIONAL EXPERIENCE

**QDoc Inc.** – Back End Developer Co-op AUG 2022 – DEC 2022

- Played a key role in developing an automated scheduling system using **AWS Lambda** and **cloud-based serverless** logic, streamlining repetitive tasks and reducing the workload for physicians and medical receptionists.
- Utilized **RESTful APIs** to retrieve, manipulate, and integrate internal and external data across various systems, enhancing the user experience for physicians and significantly improving data accuracy.
- Implemented **OAuth 2.0** authorization code flow, strengthening API security by ensuring robust access control, protecting sensitive data, and preventing unauthorized access to critical resources.
- Crafted comprehensive developer manuals to assist technical teams with backend setup, API integration, and configuration, leading to smoother **deployments** and quicker **troubleshooting**.

**Red River College Polytechnic** – Full Stack Developer Co-op MAY 2022 – AUG 2022

- Collaborated in a cross-functional, agile environment, utilizing the **MERN Stack** for development. Effectively managed version control with **Git** and **GitHub** to deliver a unique software solution for the Winnipeg Jazz Orchestra.
- Designed and presented an interactive prototype during early development stages, effectively demonstrating core features to stakeholders and accelerating project **buy-in**.
- Gathered requirements from clients, created user personas, developed wireframes, and crafted user stories to guide **design and development**, ensuring alignment with client needs and project goals.
- Reduced file loading times from up to 6 minutes to under 18 seconds by implementing efficient **DevOps** strategies and streamlining deployment with **GitHub Actions**, significantly enhancing performance.

## PROJECTS

**NBA Fantasy Zone** – Full Stack Developer OCT 2024

- Developed a full-stack fantasy basketball platform with an intuitive interface for managing teams throughout the NBA season. Utilized **React** with **shadcn/ui** for the frontend, **Express.js** for the backend, **MySQL** for data storage, and **Python** for automated data collection.

**Bell Initiative Matcher** – Front End Developer OCT 2024

- Designed a responsive donation system for Bell Canada using **React**, **SCSS**, and **Material UI**. The system integrated seamlessly with existing user flows and featured dynamic contribution charts, all while conducting **code reviews** and managing **pull requests** to uphold high project standards.

## SKILLS

Languages	JavaScript, Python, TypeScript, C#, Java, PHP, HTML, CSS, SCSS, Lua, Bash
Frameworks	React, Express.js, Node.js, Next.js, Tailwind CSS, .NET
Libraries	Shadcn/ui, Material UI, Bootstrap, Jest, Cypress
Databases	MySQL, Microsoft SQL Server, MongoDB, DynamoDB
Tools	Lambda, API Gateway, OAuth, Docker, Git, GitHub, Figma, Postman, Twilio, Agile

## EDUCATION

**BrainStation** – Diploma in Software Engineering NOV 2024

**Red River College Polytechnic** – Diploma in Business Information Technology APR 2023