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 2024