Joel Regi Abraham

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EDUCATION

Conestoga College   Waterloo, ON
Bachelor of Computer Science (Honours)   *Jan. 2023 – present*

EXPERIENCE

Full Stack Web Developer (Freelance)   Jan 2025 – Present
Snyder Tree Removal   *New Hamburg, ON*

- Updated a 10-year-old static website into a modern, responsive, and interactive platform, significantly improving the user experience and aligning with current web standards
- Used **HTML, CSS, JavaScript (ES6)** for frontend development, incorporating animations, responsive layouts, and enhanced UX design for seamless cross-device compatibility.
- Implemented dynamic backend functionality using **Node.js** and **Express.js**, adhering to the **MVC pattern** for scalability, maintainability, and efficient code structure
- Designed and integrated engaging UI components, such as a "Contact Us" section with hover animations, a **Google Maps integration** for navigation, and visually appealing call-to-action buttons
- Developed a gallery page showcasing the company's completed projects, enhancing customer engagement and promoting trust
- Used modern animation standards to improve user interaction, ensuring smooth transitions and a satisfying user experience
- Actively sought guidance from a senior full-stack software developer to align with industry best practices and ensure a professional and robust final product

PROJECTS

Travel Mate | *MERN, MERN, TypeScript, MongoDB, Cloudinary*   Jan 2024 - March 2024

- Architected and deployed a full-stack hotel booking platform using TypeScript and MERN stack, leading a four-member team to successful project completion
- Implemented secure payment processing using Stripe API, enabling successful transaction handling for over 100 test bookings
- Built a responsive image management system using Cloudinary CDN to optimize hotel photo loading times by 40%
- Designed RESTful APIs and MongoDB schemas to efficiently handle hotel listings, user authentication, and booking management
- Achieved 95% test coverage through comprehensive system testing across the development lifecycle

Calamity Call | *Python, Java, C#, Supabase, FastAPI*   Sept 2024 - Dec 2024

- Developed a mobile application for disaster alerts and reporting
- Developed and integrated a FastAPI backend that processes real-time alert data with ¡2 second latency
- Implemented secure user authentication and data persistence using Supabase, handling sensitive user information for over 100 test accounts
- Created an automated CI/CD pipeline using GitHub Actions, reducing deployment time by 50% and ensuring consistent builds
- Containerized the application using Docker to ensure consistent deployment across different environments

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, Python, Java, C#, HTML5, CSS3, React.js, MERN Stack
Frontend: React.js, Responsive Design, UI/UX Design
Backend: Node.js, Express.js, FastAPI, RESTful APIs
Database: MongoDB, Supabase
Cloud: Docker, Cloudinary CDN
Testing: Unit Testing, CI/CD Pipelines