# **Michael Ilao**

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**WORK EXPERIENCE**

**Independent Contractor** **Toronto, ON**

*Full Stack Developer May 2021 – Present*

* Planned, designed, and developed a cloud-based web app to replace existing inventory and sales system using **React.js**, **Express.js**, and **MSSQL**, reducing the current work process time by 75% and enabling multiple users to access it concurrently.
  + Integrated third-party RFID and live-pricing API, resulting in a 40% decrease in inventory and pricing discrepancies and a more accurate tracking of physical inventory.
  + Proactively debugged and resolved production issues on **IIS**, ensuring 99% website availability and delivery of weekly updates for high client satisfaction.
* Redesigned and developed company website using **Next.js** and **Vercel**, resulting in an increase of 30% in traffic through improved SEO techniques.
  + Successfully optimized mobile layout using **Tailwind CSS**, resulting in an 80% improvement in performance and enhancement of the overall user experience.
  + Integrated Tina.io, a lightweight headless CMS to reduce current overhead costs by 65%.

**MHIRJ Toronto, ON**

*Application Developer May 2021 – August 2022*

* Managed **Azure** Services and DevOps Repos and created CI/CD pipelines using **Docker**, ensuring seamless integration and collaboration among development teams, resulting in efficient software delivery and improved development tine by 50%.
* Designed and developed customer-facing web tools using **React.js** and **Python**, generating over $20K in monthly revenue.
* Successfully overhauled existing tools, leveraging **Azure** **SQL** to achieve an 80% improvement in SQL query performance on tables with 2M+ records.
* Spearheaded migration of on-premises services to **Azure** environment, collaborating with network specialists to ensure security compliance and app scalability.
* Implemented **Okta** and SSO functionalities into **.NET** and **React.js/Flask** apps to improve user access management and overall security.

**Todotoronto Toronto, ON**

*Full Stack Developer May 2020 - August 2020*

* Developed a robust e-commerce web app using **React.js**, an **Express.js** backend, and a **MySQL** database, delivering a seamless user experience and driving business growth.
* Implemented a secure and reliable payment solution using **Stripe.js**, allowing partnering with local businesses for initial revenue generation.
* Worked closely with design and marketing teams to create new features and user interfaces using **Figma**, resulting in visually appealing and user-friendly enhancements.
* Successfully launched the beta to 1000+ users and 20+ partnering businesses, demonstrating effective project development and delivering a high-quality product to a significant user base.

**CGI Toronto, ON**

*Project Control Officer September 2019 – April 2020*

* Streamlined project governance using **Jira** and **Confluence**, resulting in a 75% reduction in deployment delays due to governance issues.
* Implemented an automated IT ticket-submission process using **Python** and **Selenium**, accelerating submission speed by 50% and improving overall efficiency.

**EDUCATION**

**McMaster University Hamilton, ON**

*B.Eng. in Software Engineering September 2017- April 2023*

* Top 10 in Impact Engineering Showcase 2018.

**SKILLS**

**Languages:** JavaScript, Python, SQL, Java

**Tools and Frameworks:** React.js, Redux, HTML5, CSS3, Typescript, Next.js, Node.js, Express.js, Selenium, Flask, MySQL, MSSQL, GitHub**,** GitLab, Azure DevOps, Azure Services, Docker,