

# Michael Ilao

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**GitHub:** <https://github.com/michaelilao>  
**Portfolio:** <https://michaelilao.dev>

## WORK EXPERIENCE

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### 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**, **IIS**, and **MSSQL**.
- Redesigned and developed company website using **Next.js** and **Vercel**, resulting in an increase of 30% in traffic through improved SEO.

### Immigrate.AI

**Toronto, ON**

*Software Engineer*

*October 2023 – February 2025*

- Developed and deployed AI document validation pipeline using **Python**, Redis, Claude.AI and Hugging Face Models, decreasing human validation checks by 80%.
- Developed front-end of CRM system using **React** and **Mantine**, decreasing load times and increasing usability.
- Implemented Push-Notifications to PWA using **Firebase** Cloud Messaging, **Redis** and **Express.js**.

### MHIRJ

**Toronto, ON**

*Application Developer*

*May 2021 – August 2022*

- Managed **Azure** Services and DevOps Repos, and deployed Web Apps using CI/CD pipelines and **Docker**.
- Successfully overhauled existing tools, leveraging **Azure SQL** to achieve an 80% improvement in SQL query performance.
- 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 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**.
- 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*

- Implemented an automated IT ticket-submission process using **Python** and **Selenium**, accelerating submission speed and improving efficiency.

## EDUCATION

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### McMaster University

**Hamilton, ON**

*B.Eng. in Software Engineering*

*September 2017- April 2023*

- Top 10 in Impact Engineering Showcase 2018, Dean's List 2022-2023

## SKILLS

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**Languages:** JavaScript, Python, SQL, Golang

**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, React Native

## PROJECTS

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### Hoop Heads

- Designed and launched a Fantasy Basketball companion app using **React Native**, successfully publishing it to the App Store.
- Built and deployed a backend API with **Golang**, integrating a **MySQL** database for efficient data management.