MOHAMED IBRAHIM

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in linkedin | 🐙 github | ✉ email | 👤 portfolio

PROFESSIONAL SUMMARY

Results-driven Software Engineering student at the University of Toronto with internship experience in full-stack development and scalable web applications. Proficient in Java, JavaScript, and frameworks like Spring Boot, React, and Next.js. Skilled in building secure RESTful APIs, optimizing performance, and delivering impactful solutions using Agile methods. Passionate about creating user-focused, high-performance software and solving complex problems in teams.

EDUCATION

University of Toronto   Toronto, Ontario
Honours Bachelor of Science   *June 2027*
Specialist in Computer Science (Software Engineering Stream); Minor in Statistics

WORK EXPERIENCE

Mozilla | Upcoming…   September 2025 - April 2026
Full Stack Software Engineer Intern   *Toronto, Ontario*

Marsatek | *Java, Spring Boot, PostgreSQL, React, Docker*   February 2025 - April 2025
Software Developer   *Remote*

- Drove development of an AI-powered berth planning system utilizing Java, Spring Boot, and PostgreSQL, **reducing vessel wait times by 15%** and boosting port efficiency.
- Engineered and deployed **3 RESTful APIs**, optimizing secure, scalable data exchange between frontend and backend systems and **boosting data retrieval speed**.
- Partnered with cross-functional teams to deliver a full-stack solution, ensuring **seamless integration** and maintaining high code quality.

Civconnect | *React, Next.js, Tailwind CSS, Strapi*   January 2025 - March 2025
Web Development Associate   *Beamsville, Ontario*

- Delivered **2+ high-performance, responsive web applications** using React, Next.js, Tailwind, and Strapi, enhancing user engagement and delivering measurable client impact.
- Diagnosed and resolved performance bottlenecks in **3 client sites**, achieving **25% improvement** in key performance metrics.
- Applied insights from **40+ hours of technical and soft skills training,** directly reducing project timelines by improving problem-solving efficiency.

PROJECTS

Temp Tracker 🔗 | *React, TypeScript, Next.js, Express.js, Supabase, PostgreSQL*   June 2025 - August 2025

- Developed a scalable temperature tracking platform handling **10,000+ environmental data points.**
- **Cut data processing time by 75%** through an automated CSV upload pipeline with real-time error handling enabling users to upload hundreds of **temperature readings in under 30s.**
- Architected a scalable Supabase-driven badge system supporting **15+ achievement types**, enabling instant metric expansion without code changes.

Career Path AI 🔗 | *React, Express.js, Groq, Javascript, Node.js, PostgreSQL*   October 2024

- Built an AI-driven career recommendation system during the **Hack the Valley 9** hackathon, capable of generating personalized career suggestions in **under 2 seconds** based on skills, interests, and long-term goals.
- Led the **end-to-end development** of the career exploration interface using React, adding interactive features that streamlined the application workflow and minimized redundant actions.

TECHNICAL SKILLS

Languages: Java | JavaScript | TypeScript | Python | C | C++ | Bash | HTML | CSS | SQL (Postgres)
Technologies: Spring Boot | JUnit | Jest | React | Next.js | Express.js | Tailwind CSS | Git | Supabase | Docker