Hussein Saab

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EDUCATION

Toronto Metropolitan University (formerly Ryerson University)   Toronto, ON
Bachelors of Science in Computer Science, Co-op   *September 2022 - Exp. Apr 2026*

EXPERIENCE

Backend and Automation Developer Intern   May. 2024 - Current
IBM   *Toronto, ON*
- Back-end development at IBM using Java, Kotlin, Swift to develop supply chain solutions for Fortune 500 companies.

Software Engineer Intern   May. 2023 – Aug. 2023
Untitled Developers   *Toronto, ON*
- Collaborated with an multidisciplinary team of developers, designers, and project managers to conceptualize, develop and maintain Flutter applications used by over 5000+ users, to deliver client needs
- Developed robust PHP and Laravel backend systems, driving efficient data processing, server-side operations, and RESTful API integrations, resulting in a significant reduction in application response times.
- Applied expertise in JavaScript, HTML, and CSS to craft captivating and highly responsive user interfaces for web applications, improving user engagement and satisfaction by 30%.
- Played a pivotal role in the identification and resolution of complex bugs and issues across the codebase, ensuring the delivery of 6 polished, bug-free software products.

Scouts Leader   Sep. 2019 – Current
Scouts Canada   *Toronto, ON*
- Currently serving as a scouts leader, every Friday evening, leading and supervising a group of over 30+ children ranging from 8-11 years old; planning and organizing weekly activities, including games, crafts, and outdoor adventures, that are engaging and age-appropriate for the scouts group.
- Organized and hosted 20+ camping events, sport tournaments and educational lessons, preparing scouters to become future leaders by encouraging community engagement; planned and executed these events from start to finish, including logistics and effectively communicating with scouts' parents, participants and vendors.
- Routinely encountered unique challenges while planning and executing activities as a leader. Employed innovative problem-solving techniques to adapt and ensure successful outcomes, fostering an environment of adaptability and resilience among scouts.

PROJECTS

To-Do Full Stack Application | Python, Django, HTML, CSS   *September 2023*
- Developed a full stack To-Do list application using Python and the Django framework, incorporating HTML and CSS for the frontend and cross-platform responsiveness.
- Implemented robust user authentication features using the Django framework, including seamless user registration and secure login functionality. Leveraged Django's powerful views and authentication system.
- Created a task management system with features such as adding tasks, removing tasks, and marking tasks as complete, enhancing overall productivity and organization.
- Utilized an SQL database to store and manage task data, ensuring data integrity and efficient retrieval.

Music Store Application | Java   *April 2023*
- Developed a comprehensive text-based music store application using Java, offering users an immersive and simulated music shopping experience.
- Demonstrated proficiency in object-oriented programming principles, including encapsulation, inheritance, and polymorphism, to create a robust, modular, and highly maintainable codebase. This approach enhanced code organization and reusability, streamlining future development and updates.
- Implemented a wide range of features, such as music genre categorization, artist information retrieval, and secure transaction processing, to provide users with a comprehensive music store application.

Real-time COVID Data Visualization | JavaScript, ReactJS, HTML, CSS   *August 2023*
- Developed a dynamic data visualization application using React JS, JavaScript, D3 Library, HTML, and CSS to provide real-time COVID-19 statistics from a database covering 100+ countries.
- Designed and implemented an interactive dashboard that allows users to select specific COVID-19 data (e.g., cases, deaths, recoveries) from a dropdown menu and view real-time information.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, Dart, PHP, SQL, HTML-CSS, C++, C, C#, Lisp, Bash
Tools & Frameworks: Git/Github, Flutter, React, MongoDB, ExpressJS, NodeJS, REST APIs, Linux/UNIX, Bootstrap, JQuery