

Abu Yasin Sabik

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Recent **computer science graduate** with in-depth knowledge of data structures and algorithms, object-oriented design, technical architecture, and the software development lifecycle (SDLC). Experienced with both the **front-end** and **backend** of software design, development, and testing, including web development and mobile development. Fundamental proficiency with **DevOps tools** (version control, CI/CD) and **cloud computing** (AWS cloud platform).

TECHNICAL SKILLS

Programming languages:	C, C++, Java, JavaScript, Python, HTML, CSS
Tools / Frameworks:	React, Node.js, Tailwind CSS, Android Studio, Junit, YAML, Swagger, Amazon Web Services (AWS), WordPress, Git, GitHub, GitLab
Database Management:	SQL, MySQL, SQLite, Microsoft SQL Server, Neo4J

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science – University of Manitoba September 2017 - June 2022
Specialization in Databases (database implementation, working with Big Data, and data mining)

WORK EXPERIENCE

Computer Science and Math Tutor, STEM Program – Paper Edu (*Montreal, Quebec*) August 2021 – Present

- Running simultaneous, independent tutoring sessions with STEM students from varying grades, and ability levels.
- Solved **over 500 coding problems** in Java, Python, and C as well as **basic web development** involving HTML and CSS.

Software Development Intern – Cognitive Automation Technologies (*Toronto, Ontario*) May 2021 – August 2021

- Worked closely with senior engineers, learning how to build and maintain scalable and reliable software solutions.
- Followed **agile development** and **DevOps approaches** to build, integrate, test, and maintain software applications.
- Developed solutions for micro-services and cloud-native applications, while focusing on cost and resource utilization.

Software Development Intern – GAOTek Inc. (*Toronto, Ontario*) May 2020 – August 2020

- Worked with the engineering team to develop event management software using MySQL, PHP, and MS Web Services.
- Collaborated in **improving software** using algorithms for better client-product match, **increasing online sales by 10%**.
- Designed the **front-end** of websites including page layout, structure, and styling using WordPress and HTML/CSS.

PROJECT HIGHLIGHTS

Ixalan - An Android Application

- Developed a mobile/android application for booking movie tickets and purchasing movie merchandise.
- Followed a **Three-Tier Architecture** utilizing **SOLID principles** and other software engineering design patterns to minimize technical debt and increase maintainability and security.
- Utilized **Test Driven Development (TDD)** by writing unit tests and integration tests, achieving **90% test coverage**.
- Created a **relational database** for persistent storage of data, and a website for product presentation.
- Tech Stack: Android Studio, Java, HTML, CSS, JavaScript, SQLite, Junit, Gradle

Chow Town – A Web Application

- Built a web application for ordering food, with significant focus on **user interface** and **user experience (UI/UX)**.
- Researched different technologies and implemented an innovative design idea by utilizing maximum screen space and interactive visuals to ensure **better web accessibility**, navigation, and **faster load times**.
- Followed the **waterfall methodology** and **User Centered Design (UCD) principles** to maximize usability and efficiency.
- Made both low-fidelity and **high-fidelity prototypes** to diagnose technical problems and test product design usability.
- Tech Stack: HTML, CSS, Bootstrap, JavaScript, React