

# Abu Yasin Sabik

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**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 both web development and mobile development.

## TECHNICAL SKILLS

Programming Languages: Java, Python, C, JavaScript, HTML, CSS  
Tools / Frameworks: React, Node.js, Tailwind CSS, Android Studio, Junit, REST APIs, WordPress, Git, GitHub  
Database Management: SQL, MySQL, SQLite, Neo4J

## EDUCATION

**Bachelor of Science (B.Sc.) in Computer Science – University of Manitoba** September 2017 - June 2022  
Specialization in **Databases** (Database Implementation, Data Mining, Working with Big Data)

## 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.
- **Solving coding problems** in Java, Python, and C as well as basic web development involving HTML and CSS.
- Creating an engaging learning environment, conducting pedagogical assessments, and providing detailed feedback.

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

- Worked closely with senior engineers, learning how to build and maintain scalable and reliable software solutions.
- 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.
- Assisted the engineering team to fix existing bugs and add new features to event management software.

## PROJECT HIGHLIGHTS

### Personal Portfolio Website

- Created a personal website to showcase my personal projects, technical skills, and continuous development.
- Implemented **software engineering principles** and best practices to ensure **high scalability and maintainability**.
- Tech Stack: HTML, Tailwind CSS, Javascript, React, Node.js

### Ixalan - An Android Application

- Developed a mobile/android application for booking movie tickets and purchasing movie merchandise.
- Followed **agile development** techniques and a **Three-Tier Architecture** pattern utilizing **SOLID principles** to minimize technical debt and increase scalability, stability, 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.
- Tech Stack: HTML, CSS, Bootstrap, JavaScript, React