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 life cycle (SDLC). Very passionate about programming, problem-solving, and learning new skills/technology. 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 (continuous integration / continuous deployment (CI/CD))** and **cloud computing** (AWS cloud platform).

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science – University of Manitoba   September 2017 - June 2022
Specialization/Concentration in Databases (working with Big Data and using data mining techniques)

TECHNICAL SKILLS

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

PROJECTS

Ixalan - An Android Application *(Link)*
- 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 maintainability and security.
- Utilized Test Driven Development (TDD) to write unit tests and integration tests achieving a final test coverage of 90%.
- Created a relational database for persistent storage of data, and a website for presentation and exposure.
- Technology / Software used: Android Studio, Java, HTML, CSS, JavaScript, SQLite, Junit, Gradle

Chow Town – A Web Application *(Link)*
- Built a web application for ordering food, with significant focus on user interface (UI) and user experience (UX).
- Implemented an innovative design idea by utilizing maximum screen space and interactive visuals to ensure better web accessibility, handling, and navigation.
- 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 problems and test product design usability.
- Technology / Software used: HTML, CSS, Bootstrap, JavaScript, React

Finding Aurora API – An OpenAPI Specification (OAS) Project *(Link)*
- Designed an API that lets users find information about past and future northern lights using different inputs.
- Followed standard API architecture patterns and thorough documentation for reusability and best practices.
- Technology / Software used: YAML, Swagger, Markdown

WORK EXPERIENCE

STEM Tutor – Paper Education (Montreal, Quebec)   August 2021 – Present
- Running simultaneous, independent tutoring sessions with students from varying grades, and ability levels.
- Conducting assessments, providing feedback, and managing multiple tasks in a fast-paced environment.

Marketing Assistant – Qdoba Mexican Eats (Winnipeg, Manitoba)   July 2018 – June 2019
- Conducted market research, built business relationships, and boosted sales by 40% through marketing campaigns.
- Collaborated with multiple teams to develop new ideas, conceptualize new approaches and solutions for client needs.