

# Samer Sawan

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## EDUCATION

### McGill University

Montreal, QC

*Bachelor of Science in Software Engineering*

- Relevant Courses: Algorithm Design, Data Structures and Algorithms, Software Validation, Software Design, Functional Programming, Requirements Engineering, Operating Systems, Parallel Programming

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, JavaScript, SQL, SQLite, HTML/CSS, Golang, Dart, GDScript, Kotlin

**Frameworks:** NextJS, TailwindCSS, React, React Native, React Context, JUnit, Spring Boot, unittest, Flutter

**Developer Tools:** Godot, Unity, Unreal Engine 5, AGILE Programming, Firebase, Git, Bash, Maven, Docker, AWS

**Libraries:** RxJava, Pandas, NumPy, BeautifulSoup, Axios, Sequelize, Puppeteer

## EXPERIENCE

### Apple

June 2022 – Present

*Specialist*

Montreal, QC

- Consistently achieved top performance amongst peers by exceeding Trade-In targets by 20% and achieving the 25% Activation target for three consecutive quarters.
- Demonstrated strong problem-solving skills by assessing customer needs and providing personalized solutions, resulting in a 90% customer satisfaction rate for three consecutive quarters.
- Organized and presented multiple store-wide trainings to help with onboarding new, seasonal and veteran specialists alike, ensuring best practices for various store initiatives and goals.

### TheDevFactory

September 2023 – January 2024

*Software Developer Intern*

Montreal, QC

- Developed a customized chat completion model leveraging OpenAI's ChatGPT-4 API to integrate code snippets and SonarQube reports, enabling real-time feedback and suggestions to users.
- Enhanced model performance through iterative refinement of prompts and adjustments to API interactions, ensuring accurate and valuable responses aligned with user queries.
- Proposed and implemented innovative strategies to optimize the AI code reviewer's functionality, focusing on delivering actionable insights based on industry best practices and software design principles.

## PROJECTS

**Splendor** | *Java, JavaScript, REST, Maven, Docker, JUnit, Spring Boot, Git*

- Developed backend game rules and logic in Java, integrating it with the frontend using REST API calls
- Implemented user authentication by integrating the backend with a Lobby Service.
- Wrote comprehensive unit tests for all API calls to ensure functionality and reliability.
- Created components for the frontend of the game using basic JavaScript.
- Containerized the frontend, backend, and database with Docker for ease of deployment.

**Recipe App** | *React Native, Axios, React Context, Firebase, Figma*

- Designed and built a recipe app that allows users to create, view, and delete recipes, as well as manage their groceries.
- Combined the use of Axios for efficient API calls to FireBase and React Context to create a seamless and user-friendly experience
- Implemented advanced search functionality based on category, cooking time, affordability, ingredients, and name.
- Developed language switching capability from English to Arabic, as well as iOS VoiceOver for enhanced accessibility

## PROFESSIONAL CERTIFICATIONS

- AWS Certified | Cloud Practitioner