

Ahed Memas | *Software Engineer*

Montreal, QC | Canadian Citizen (Relocation-friendly)

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Experience

Software Tester Intern | *Genetec, Montreal, QC* | Jan 2024 – May 2024

- Validated core functionalities through comprehensive functional and regression testing, ensuring seamless UI/UX.
- Utilised Mockito for unit testing to enhance code reliability.
- Collaborated in Agile processes, contributing to daily scrums and sprint planning.

Software Developer Intern | *WishBox, Montreal, QC* | Aug 2023 – Dec 2023

- Enhanced platform security with Laravel Sanctum authentication protocols.
- Debugged and optimised Angular front-end components, improving user experience.
- Delivered high-quality bug fixes through rigorous testing and debugging.

Inventory Supervisor | *WIS International, Montreal, QC* | Jan 2022 – Feb 2023

- Analysed inventory data using Python and SQL to provide actionable insights.
- Streamlined data modelling processes for accurate and timely reporting.

Skills

Programming Languages: Java (Advanced), JavaScript/TypeScript (Advanced), Python, PHP, C#, C++, SQL

Frameworks & Tools: React, Angular, Next.js, Laravel, .NET Core, PySpark, Dask

Data Modeling: ER Diagrams, UML, DB Normalisation, MVC Architecture

DevOps & Testing: Git, Github Actions, Jenkins, Mockito

Networking: Wireshark, Burp Suite

Soft Skills: Agile Methodologies, Team Collaboration, Multilingual Communication (English, French, Arabic)

Education

Concordia University, Montreal, QC

B.S. in Software Engineering, Co-op | 2020 – 2024

Vanier College, Montreal, QC

DEC in Mathematics and Computer Science | 2018 – 2020

Projects

Redefining Podcasts with AI – Awaazo

- Designed dynamic, user-friendly single-page applications using React.
- Developed secure RESTful APIs in C# and .NET Core, focusing on authentication, data processing, and CRUD operations.
- Optimised MSSQL databases with effective schemas and stored procedures for complex queries.

Indoor Movement Detection Using WiFi Fingerprinting

- Implemented indoor tracking functionality using Java and object-oriented principles.
- Engineered WiFi fingerprinting algorithms for accurate location detection.
- Managed GitHub repositories with proper branching, pull requests, and issue tracking.

E-commerce Big Data Recommender System

- Processed 300,000+ records with Python, SQL, and PySpark to normalise data and enhance consistency.
- Designed Collaborative Filtering algorithms (ALS, User-Based, and Item-Based) using PySpark.ML.

Certifications

- *AWS Certified Solutions Architect – Associate* (In Progress)
- Valid Driver's Licence