Maher Akremi

Phone: 613-890-3934 | Email: akremimaher29@gmail.com | GitHub: github.com/maherakr

Professional Summary

New Computer Engineering Technology graduate with hands-on experience in full-stack and mobile development. Built real-world apps using Java, ASP.NET, Android, C++, and R. Quick learner, problem-solver, and eager to contribute to tech teams in Canada.

Education

Computer Engineering Technology - Computing Science
Algonquin College, Ottawa ON — *Graduated: August 2024*

Relevant Courses:

Object-Oriented Programming (Java, C++) · Database Management (SQL, PostgreSQL) · Operating Systems (Windows, Linux, QNX) · Web and .NET Development · Software Design and Testing · Real-Time Programming · Game Programming · Data Structures & Algorithms · Numerical Computing · Project-Based Software Development

Technical Skills

Languages: Java, C++, C, C#, Python, SQL, TypeScript, JavaScript, R
Web/Front-End: React, Next.js, HTML5, JavaScript, TypeScript
Back-End/Full-Stack: ASP.NET, PHP, XML, Android Development
Game Dev Tools: Unreal Engine, Unity, Blueprint Visual Scripting
Databases: PostgreSQL, Oracle, MySQL, SQLite, Azure SQL
Dev Tools: Visual Studio, Eclipse, Android Studio, Git, Swagger API
OS: Windows, Ubuntu, Linux, QNX
Other: Agile, OOP, QA Testing, Microcontroller Systems

Projects

Planetary Positions Viewer

Tech Stack: C++, R (Shiny), SQLite, Git (local & GitHub)

- Developed a full-stack application to simulate and display planetary positions on a 2D grid
- Backend in **C++** calculated orbital mechanics and monthly trajectories
  Frontend developed using **R Shiny** for dynamic data visualization and user interaction
- Designed and implemented a lightweight **SQLite** database to store and retrieve astronomical data
- Used **Git** for version control across development stages

Expiry Date Tracker App (In Progress)

Tech Stack: Java, XML, Android Studio, Room DB, DynamoDB, Git, UPC API

- Designed and developed a mobile application to track product expiry dates and reduce waste
- Built Android UI using **XML** with **Java** for logic, local persistence via **Room Database**
- Integrated **UPC API** for automatic product data entry via barcode scanning
- Implemented **Amazon RDS with MySQL** to enable future scalability and multi-device support
- Notification system alerts users ahead of expiry to improve inventory management
- Used **Git** for collaborative development and source control

Personal Portfolio Website

Tech Stack: Next.js, React, TypeScript, JavaScript, GitHub

- Designed and deployed a fully responsive personal website to showcase technical projects and resume
- Developed reusable components using **React** and structured routing with **Next.js**
- Applied **TypeScript** for type safety and clean code architecture
- Deployed version-controlled updates using **GitHub**

Volunteer Experience

Volunteer Full-Stack Developer
Canadian Centre of Excellence for Anti-Corruption (CCEAC)
April 2024 – Present
Tech Stack: C#, ASP.NET, Azure SQL, Swagger API, Git

- Collaborated on a full-stack web application to promote ethics awareness in Canadian organizations
- Developed RESTful **C# APIs** with **ASP.NET**, integrated with **Azure SQL** for secure data storage
- Designed a web-based quiz and survey platform with dynamic forms and interactive analytics
- Created a clean, user-friendly admin UI for managing quizzes and user feedback
- Used **Swagger API** for documenting endpoints and improving developer collaboration
- Maintained source code via **Git** and participated in agile sprints

Work Experience

Host
Ben & Florentine restaurant, Gatineau, QC
July 2022 - August 2023

- Managed seating and supported guests in a high-volume setting
- Developed strong communication and multitasking skills

Night Crew
Riley's Independent Grocer, Ottawa, ON
August 2023 - Present

- Led night crew and organized inventory and overstock
- Trained new team members on procedures and safety
- Gained leadership skills and inspired the development of a product expiry tracking app

Additional Qualifications

- Strong problem-solving and analytical skills
- Team-oriented and able to work independently
- Effective communication and adaptability in fast-paced environments
- Fluent in English and Arabic, intermediate French

References

Available upon request