

MELANIE MALEK

Software Engineer

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EXPERIENCE

QA Automation Tester

Global Affairs Canada - Government of Canada (Secret Clearance)

- 📅 01/2025 - 04/2025 📍 Gatineau, Quebec
- Developed, maintained, and executed automated test scripts using Selenium Java across multiple environments, including QA and PROD
 - Performed manual testing by identifying, logging, and tracking defects to ensure high software quality standards
 - Collaborated with cross-functional teams to analyze and resolve system issues, improving overall functionality and performance
 - Participated in daily Scrum meetings, providing progress updates, addressing blockers, and contributing to continuous improvement
 - Operated within an Agile environment, ensuring effective communication and alignment with development teams for streamlined project delivery

Programmer/Analyst

National Defense - Government of Canada

- 📅 05/2024 - 12/2024 📍 Ottawa, Ontario
- Conducted system-wide setups in SAP to maintain optimal performance and reliability of production systems
 - Scheduled and managed batch jobs across various QA and Sandbox systems, supporting major and minor system software releases
 - Developed and implemented complex ABAP reports tailored to specific business requirements, including the creation and management of selection screens, internal tables, and data processing structures
 - Diagnosed and resolved runtime errors in internal programs, ensuring seamless operation using the SDLC
 - Integrated advanced error-handling mechanisms to enhance application robustness and user experience

Optometrist Assistant

Dr. Michelle Davidson & Associates

- 📅 07/2022 - 09/2023 📍 Ottawa, Ontario
- Assisted optometrists by performing tasks such as updating patient charts and sterilizing medical equipment
 - Greeted patients and answered patient inquiries in person, over the phone, and through emails
 - Maintained and ensured patient confidentiality by managing and tracking referrals

SKILLS

Java	Automation Testing	Object-Oriented Programming			
GitHub	Problem Solving	Git	HTML	Azure DevOps	
JavaScript	JUnit	CSS	Python	SAP	ABAP
Unit Testing	English	French	Arabic	GitHub Copilot	

EDUCATION

B.A.Sc in Software Engineering

University of Ottawa

- 📅 09/2023 - 12/2027
- Admission Scholarship of \$3000

GPA

8.73 / 10.0

COURSES

Data Structure & Algorithms - A+

Introduction to Software Engineering - A+

Introduction to Computing I (Python) - A+

Introduction to Computing II (Java) - A+

Computer Architecture - A+

Professional Communication & Responsibility - A+

PROJECTS

Parking Lot Managing System

Developed a comprehensive system to manage parking lot operations, integrating advanced data collection from various file sources. Implemented features for real-time tracking of parking space availability and user notifications. Leveraged JUnit as the unit testing framework to write and execute test cases, ensuring the system's reliability and performance

Budget Buddy

Developed a dynamic marketing website with multiple pages, including Home, Pricing, Contact Us, and About. Designed a user-friendly interface and cohesive visual theme to effectively present the application to a group of CEOs, ensuring a professional and engaging user experience.