Ali Akbar Malik

ali.akbar.malik1@gmail.com
http://people.scs.carleton.ca/~aamalik

EDUCATION

Bachelor of Computer Science, 2010

Carleton University, Ottawa, Ontario

SKILLS AND ABILITIES

Technical Skills

- Over the past 5 ½ years I have gained significant amounts of experience in testing numerous builds of the following categories of WorldReach V3 and V4 Software:
    - Registrations of Canadians Abroad Public (ROCA)
    - Minimalist Registrations of Canadians Abroad
        - Standard ROCA Minimalist Interface
        - Mobile ROCA Minimalist Interface
    - V3 Passport Management Program (PMP)
    - V3 Consular Assistance Software (CAMANT)
    - V3 Mission Crisis Management Software (CRISES)
    - V3 Emergency Service Request Logging Software Emserv
    - V4 Headquarters Emergency Management Software (EMP)
    - V4 Mission Emergency Management Software (Mission Emergency Plan Generator)
- In the past 5 ½ years I have become skilled in quickly composing test scripts for runtime application testing.
- I have over 5 ½ years of experience in writing test cases based on test results and/or software requirements.
- I have gained over 5 ½ years of experience in the testing and quality assurance of information systems.
- I have over 5 ½ years of experience in identifying, documenting and troubleshooting system errors.
- I am skilled in the use of HTML, CSS, and JavaScript in internet based user interface design.
- I am familiar with the development of web applications using the ASP.NET framework.
- I am proficient in several high level programming languages including Java, C#, C++, C, SQL, Perl, PHP, ProLog, and Scheme
- I am familiar with database development through the use of SQL, PL/SQL, Embedded SQL, and JDBC
- I am skilled in developing GUIs in Java.
- I clearly designed programs that ran efficiently for several courses that dealt with software development
- Familiar with the following Software Development Environments:
    - Java:
        - Eclipse, JCreator, JBuilder
    - C#:
        - Microsoft Visual Studio
    - C++:
        - Microsoft Visual Studio, Borland C++
    - SQL:
        - Oracle, DB2
- Experienced in unit testing through the JUnit framework
- Skilled with applying Remote Method Invocation through Java
- I have an excellent understanding of the implementation of Intel x86 assembly language
- I am familiar with the following Operating Systems:
    - Windows, DOS, Linux, Android, iOS

Communication Skills

- I have drafted detailed proposals describing the required changes to an application.
- I have composed concise documents outlining software bugs, how they are triggered, and what the expected behaviour of the application in question is in each situation.
- I composed informative progress reports, and presentations
- I am a strong contributor with an ability to facilitate discussion in my team
- Over 5 ½ years of experience in communicating testing results to a development team

EMPLOYMENT

Software Quality Assurance Tester   July, 2008 – Present
Foreign Affairs, Trade and Development Canada
Ottawa, ON
- Testing numerous builds of WorldReach Software.
- Composing test scripts for runtime application testing.
  o Concise documents outlining software bugs, how they are triggered, and what the expected behaviour of the application in question is in each situation.
- Determining testing scenarios from pre-existing test scripts.
- Drafting detailed proposals describing the required changes to an application.

EXPERIENCE
Department of Foreign Affairs, Trade and Development (DFATD)
Consular Informatics Division
As a tester for the Consular Informatics Division I was involved several aspects of manually testing the user interfaces of several applications developed by WorldReach.

Registration of Canadians Abroad (ROCA)
This focussed on testing WorldReach Traveller Registration V3 (Internally referred to as ROCA), which is an internet based .NET Application with a Microsoft SQL Server backend.   The common goal of the majority of the sets of changes has been to make the registration process more user-friendly.
- I am experienced in utilizing and composing test scripts for the following interfaces of the Registration of Canadians Abroad internet based application using a wide variety of hardware devices.
  o Classic ROCA Public
  o Minimalist ROCA
    ▪ Standard interface
    ▪ Mobile interface
- I have composed multiple series of documents outlining the changes which are required for ROCA Public and ROCA Mission.
- I have over 5 ½ years of experience in confirming and troubleshooting the issues which have been encountered by the end-users of each of the interfaces of the ROCA internet-based application.

COSMOS
This covers the testing of WorldReach PassportReach (PMP) V3, AssistReach V3 (CAMANT, Communicator, and COMIP), Crises V3, and the mission and headquarters modules for Traveller Registration V3 (ROCA). These are all web based .NET applications with a Microsoft SQL Server backend.
- I have over 5 ½ years of experience in utilizing and composing test scripts involving the interfaces corresponding to each of the categories of users of the WorldReach V3 Passport Management Program (PMP).
- I have a history of creating test scripts involving the interface of the WorldReach V3 COSMOS module for Consular Assistance Management (CAMANT).
- WorldReach V3 Crisis Management Software:
  o I am experienced in producing test scripts for various user interfaces of the COSMOS CRISES module.
  o I have composed several documents indicating required changes to the logic used in the COSMOS CRISES module as well as changes to the appearance of the CRISES user interface.
- I have years of experience with the following categories of documents regarding how Case Notes are handled in COSMOS V3:
  o Creating test scripts for numerous issues involving Notes in each of the modules of COSMOS.
  o I have composed a several documents describing in detail some of the required changes to the Journal Entry section of the COSMOS V3 CAMANT module.
- Registrations of Canadians Abroad Mission user interface:
  o I have over 5 ½ years of experience in determining the required content for test scripts and testing scenarios for the V3 ROCA Mission COSMOS module
  o I have composed multiple series of documents outlining the changes which are required for ROCA Mission.
- I have several years of experience in verifying and troubleshooting the issues which have been encountered by the end-users of COSMOS V3.

EmServ

This is locally installed application with a connection to a Microsoft SQL Server backend. For EmServ my responsibilities have also included composing the requirement document for the new version of the application.
- I am experienced in writing thorough scenarios for testing EmServ 3 which are based on requirements documents.
- I have gained extensive experience from the drafting of a document which described the interface requirements for EmServ 3.
- I have gained experience in clarifying the functionality of Emserv 3 to the application's users.

WorldReach Contingency Plans V4 (known internally as the Mission Emergency Plan Generator or MEPGEN)

This is a web based .NET Application with a Microsoft SQL Server backend.

Emergency Management Portal V4 (EMP)

This is a web based .NET Application with a Microsoft SQL Server backend

General Responsibilities:
- The testing of electronic forms requiring the verification of field triggering and automatic emails.
- Working as part of a team of 4 to 9 testers (depending on the project) and 2 database administrators
- Composing and conducting test plans, test scripts and test cases
- The types of testing performed include regression testing, as well as the integration of change requests into test plans.
- Provided technical support and assistance to other personnel within the division.