Amer Al Kayal

Software/System Testing Engineer - Qualcomm Inc

San Diego, CA - Email me on Indeed: indeed.com/r/Amer-Al-Kayal/bcb24419659fe89d

Willing to relocate: Anywhere
Sponsorship required to work in the US

WORK EXPERIENCE

Software/System Testing Engineer

Qualcomm Inc   -   San Diego, CA - June 2013 to Present

• Part of Test Case Development Team to create a new test plan for LTE Dynamic Performance team.
• Analyzed Field logs to study the differences between current major network infrastructures.
• Worked closely with System and FW teams on customer issues.
• Worked on User Identity Module (UIM) testing on GSM, WCDMA, CDMA, TDSCDMA, LTE, TDD LTE networks.
• Executed carrier specific testing such as AT&T (ADAPT standards) UIM testing, Verizon Wireless Standards
• Performed 3GPP/3GPP2 testing on Anite, Anritsu and COMPRION IT3 test setups
• Validated 51.010 dig/anlg, 31.124, 31.121, and ETSI TS102.230 dig/anlg TCs as defined in GCF test plan.
• Filed CRs and worked closely with developers on validating their fixes and tracking progress
• Defined test cases to be executed for CR fixes and ran regression as well as unit testing.
• Analyzed QXDM logs for UIM, LTE, CDMA and GSM testing failures and debugged logs for initial analysis
• Reviewed specifications and requirements for new features and authored new test plans.
• Performed System Regression, Functionality, Feature, UI, Acceptance, GCF conformance testing
• Implemented/added/tested Terminal Automation Provider to IT3 systems for 1000+ TCs for more stability.
• Participated in developing In-House User Interface Test (UIT) tool to automate UI testing using UiAutomator for Android and TuxNet for WP devices.
• Implemented, modified, and added new features for automated testing.
• Created/Automated/Tested 100+ new Test Cases for Feature automation.
• Improvement for automation stability by automating crash dump collection and analysis.
• Worked on creating automation scripts (MLAPI) on Rhode and Schwartz (R&S) CMW500 Network Simulator.
• Helped in updating Qualcomm proprietary framework moving from Perl version 5.6 to version 5.18.
• Developed/maintained SIM toolkit Java applets to simulate and replace IT3 (UIM simulator) equipment.
• Wrote scripts for data extraction and analysis using Perl and Python programming languages.

Java Programmer/Database Developer

CCS Global Tech   -   Poway, CA - March 2012 to May 2013

• Requirements gathering, design, and analysis in creating OLTP and OLAP databases.
• Performed data analysis leading to system enhancement.
• Created Web Application using MVC pattern to manage runtime content.
• Used web services to extract data from different sources using WSDL, XML, and SOAP.
• Documented programming problems and resolutions for future references.
• Implemented the functionality of fetching data from different sources and persisted the data through Hibernate
• Creating database objects such as constraints, indexes, views, indexed views, stored procedures, and triggers.
• Tuning system performance by modifying and recreating codes and Database objects.
• Using DTS/SSIS packages by designing and implementing ETL packages.

• Using transformations to perform data fetching, cleansing, cleaning, and deploying.

Programmer/Analyst

National University   -   San Diego, CA   -   December 2010 to March 2012

intern/fulltime)
• Helped in Developing & modifying the Message Passing Interface (MPI) applications utilizing grid computing as computational resources.
• Assessed and utilized the High Performance Computing (HPC) resources located at National Center for Supercomputing Applications (NCSA) and Texas Advanced Computing Center (TACC).
• Developed and modified the codes of web service provider, Java codes which later were deployed as Apache Axis2 service, and requester, PHP NuSoap.
• Modified the Asynchronous JavaScript and XML to enhance the productivity of the website.
• Used Java to create objects needed for testing.

IT Officer

MAK Contracting   -   Beirut   -   February 2008 to April 2009

• Developing in-house projects using Java and SQL Server 2008.
• Windows Server 2003 installation, configuration and maintenance.
• Updating Database servers from SQL Server 2005 to SQL Server 2008.
• Maintaining and managing daily/weekly/monthly updates.
• Tuning and updating Database queries for faster performance.

EDUCATION

Masters of Science in Computer Science

National University   -   San Diego, CA
January 2012

Bachelors of Science in Computer Science

American University of Science & Technology   -   Beirut
May 2007

ADDITIONAL INFORMATION

Technical Skills
• Programming Languages: Perl, Python, Java, C#, C++
• Tools: ATM, QPST, QXDM, Perforce, Eclipse, Visual Studio (2005, 2008, 2010)
• Server Side: Apache Tomcat, Web Services (Java and C#)
• Web Technologies: JSP, Servlets, JDBC, HTML, XML, Java Script.
• Database Develop. Platforms: Sql Server […] MySQL, MS Access