

ZERAI A. ADHANOM
Phone: 6198418138
e-mail:zeraiadhanom@gmail.com

PROFESSIONAL SUMMARY

- Over Six years' software testing and validation experience at Qualcomm on various mobile chipsets.
- Good experience on Software Releases, Integration and configuration management process;
- With experience of test methodology, test processes, including requirements collection and test plan development;
- Automated testing and verification techniques: Android and Windows platforms;
- Communicates well with all levels and across multiple disciplines as a team member.

TECHNICAL SKILLS & Tools

- QPST, QXDM, WHCK, CTS, Git, Gerrit, CI, R&S CMU200, Quality Center, HCK
- Scripting Languages: basic knowledge -Python; HTML, CSS.

PROFESSIONAL EXPERIENCE

Qualcomm, Inc. San Diego, CA
Compiler Test Engineer II

April 2016 – Present

- As part of Graphics Compiler team involve in software testing, automation and analysis to ensure graphics compiler works well as intended.
- Responsible for verification and release windows software related to GPU compiler- of DX12/DX11;
- Execute automation tests on graphics APIs- D3Dmark, Unigine BM. OpenCL, monitor and report functionality, performance progress;
- Identify failures, any regression and bisect software/changes to figure out root cause of issue & work closely with the compiler developers, graphics driver and graphics hardware core teams.
- Create jira and report failures to appropriate team for a fix;

Qualcomm, Inc. San Diego, CA
Software Test Engineer

May 2013 – November 2015

- **Project Summary:** Test development, **software integration & system test for Qualcomm Snapdragon** Application Processors.
- Worked in **test development**, execution, analysis, **debug crashes and track issues**
- Involved in basic modem and telephony testing using live network or using Agilent 8960 and R&S CMU200 call Simulators;
- **Integrated** different versions of Android (flavors) on Linux workspace and executed sanity test to identify any basic functionality failures;
- Setup and configure **git** into **Linux** work workspace to **integrate gerrit and code changes**;

Qualcomm, Inc., San Diego, CA.
Sr Software Test Technician

December 2011 – February 2013

- **Project Summary:** Software test development and execution of manual and automated test system to drive quality assessment for Windows RT, Windows Phone of Qualcomm Snapdragon Application Processors.
- Responsible for software integration, test execution, and troubleshooting of mobile devices with Windows operating system;
- Executed MSFT automation tools like WHCK [Windows Hardware Certification Kit] set up and execute various stability tests;
- Run BVT (build verification test) and PAC (Platform Acceptance Criteria) daily to validate; software compliance Qualcomm and Microsoft drivers for windows based mobile devices;

Sierra Wireless, Carlsbad, CA
Software Test Engineer

July 2011 - December 2011

- **Project Summary:** Test development, execution and debug of embedded modem - GSM/EGPRS/CDMA/UMTS/LTE wireless products and provide validation report.
- Designed test plans, test cases and executed (module testing) for automotive and M2M applications in the Automotive Development group;
- Reviewed customer and internal specifications to create internal test plans and test cases;
- Tested data calls dependent on standard network protocols, routers, IS-95,
- CDMA2000 and 1xEV-DO using call simulators [Agilent];

Qualcomm inc USA, San Diego, CA
Senior Lab Technician

March 2010 - June 2011

- **Project Summary:** responsible to execute sanity on base software to verify main mobile phone features and functions;
- Report test results, identify failures and document issues for resolution;
- Maintain lab set up and environment -calibrate test equipment and support engineers in debugging failures;

LG Electronics Mobile Communications USA, San Diego, CA
Software Test Engineer

June 2008 - December 2008

- **Project Summary:** responsible for test development, test execution of software features for carriers, & OEMs including Verizon, Alcatel, Sprint, and US Cellular.
- Performed verification and test execution of software features for CDMA & GSM mobile devices for major carriers - Sprint/Verizon/Alltel/US Cellular;
- Executed different levels of testing – Functional, Regression, user acceptance, ad-hock, exploratory, bug fix and sanity testing;

CERTIFICATION:

- * CDMA25 [Qualcomm]
- * Demystifying_High_Speed_Wireless_Technologies [QCOMM]
- * Cellular Overview [Qualcomm]
- * Introduction_to_UNIX & Linux

EDUCATION

- 2006 MA - Communication & Media Studies. University of Natal, South Africa