

## STAFF ENGINEER

### Professional Overview

Dependable, capable and committed system test lead with a proven ability to meet agreed deadlines, co-ordinate work and work to defined testing methodologies within a structured environment. Focused on any task at hand and able to utilize existing test knowledge and experiences to come up with practical solutions and alternatives to testing processes. Over 9 years of test experience in wireless/mobile industry with full system development lifecycle experience, including designing, developing and implementing test plans, test cases and test processes.

### Skills

- Software Testing & Methodologies
- Test Plans, Cases & Processes
- Functional Requirements
- Test Strategies & Coverages
- Resource Management
- UI & Compatibility Testing
- Performance/Stability Testing
- Defect/Bug Tracking
- Test reports
- Customer interaction
- Scripting, Automation & Documentation

### Professional Experience

#### Staff Engineer

January 2014 Weaver Consultants Group

8+ years of systems test experience in the wireless industry across various mobile technologies.

Lead role in multiple projects towards commercialization of high quality graphics core for various Qualcomm flagship snapdragon chipsets.

Responsible for testing and delivering quality Adreno graphics core supporting advanced graphics API's (OpenGL ES 1.1, 2.0, 3.0 and 3.1).

Good understanding of product life cycle. Expertise in driving projects from the early bring up to final commercialization stages.

Accomplished track record of timely, proactive and efficient execution on (time) critical projects

Expertise in driving the test teams towards commercialization of flagship Android devices for top tier OEMs meeting all quality standards for graphics.

Lead the Test Engineering team to verify and validate the functional/conformance/stability/ and performance requirements of the product under development.

Working experience with different Android OS versions ( Gingerbread, Honeycomb, ICS, Jellybean, KitKat)

Hands on experience in working with various Qualcomm device testing and debugging tools like QXDM, QPST.

Expertise in creation, documentation and execution of test strategies, test cases.

Working knowledge on OFDM based MediaFLO broadcast technology.

Hands-on experience with performance metrics definition and collection, performance test results analysis and reporting.

Responsible for root cause analysis of customer reported issues to enhance the test plans for future projects.

Customer interaction experience

Work in cross-geo and cross-functional groups. Cooperate and communicate with developers globally (United States, Europe and Asia)

#### Senior Systems Test Engineer

March 2008 to December 2010 Viasat Inc.

- Gained experience in executing CPU, Power, latency and memory profiling test scenarios across various device platforms.
- Worked closely with systems and development teams in resolving critical device performance issues in order for the devices to meet requirements for the CS quality.
- Expertise in setting up OTA test setup and execution of end to end scenarios.
- Gained experience in Integration, Functional, Sanity, Regression, Acceptance, Performance and Usability testing while working on various mobile device applications module testing.
- Responsible for concurrency testing of MediaFLO applications along with 1x voice and data call and SMS.
- Worked on device platforms across different operating systems like BMP and Windows Mobile.
- Performed test case execution to ensure the product is compliant to the standards for both carrier requirement and internal specifications.
- Interacting with test automation teams and giving them inputs and requirements for developing various test automation scripts.
- Customizing these scripts for station specific test setups.
- Adapting to project needs when necessary, was also involved in active functional/feature testing.
- Experience in using JTAG in debugging various device related issues across different platforms.

- Involved in conducting ATP with third party Conditional Access System vendors like Nagravision and Irdeto for both Head End and Device KDA (KMS (Key Management System) Device Agent) for Rights Management and content/service protection.
- Experience in working with third party software providers like OpenTV and Media-Excel.
- Performed test case generation and execution across various head end and device software releases.
- Conducting test case reviews with Internal and external teams.
- End to End system performance characterization.
- Executed test scenarios for finding end to end RT and Overhead system latency.
- Executed tests for Multicast Capacity characterization.
- Analyzed and presented the data to our client MediaFLO USA.
- Conducted tests for Unicast Capacity characterization.
- Loaded the Unicast servers using various load models to find the success rate and transaction delay under load conditions.
- Regression testing on different previous features.
- This exercise was done in all new releases to see that no previous feature functionality is broken.
- Worked on Interactivity and data casting features.
- Successfully provisioned and maintained the test station for the iAd showcase given to various groups internal and external to QUALCOMM.
- Experience in training new hires in provisioning the test stations and running device stability.
- Performed data analysis, prepared test briefings and test reports for exit review on various head end platform releases.

#### Software Test Engineer

November 2006 to February 2008 Caci International Inc.

- Performed application coding and testing for user interface using ABAP programming language.
- Expertise in reports: Interactive, Classical, and ALV that involved creation of new and modification of existing ones based on business requirements.

#### Education and Training

Master of Science : Electrical Engineering , May 2006 The University of Texas - City GPA: GPA: 3.5/4.0 Electrical Engineering GPA: 3.5/4.0

Bachelor of Engineering : Electronics & Communication Engineering , May 2004 Andhra University India GPA: GPA: 3.85/4.0 Electronics & Communication Engineering GPA: 3.85/4.0

Diploma : Electronics & Communication Engineering , April 1999 Polytechnic India GPA: GPA: 4.0/4.0 Electronics & Communication Engineering GPA: 4.0/4.0

#### Skills

ABAP, ATP, automation, content, CPU, client, data analysis, debugging, features, Functional, memory, Access, Excel, Windows, operating systems, coding, programming, quality, requirement, servers, scripts, SMS, Usability testing, user interface, voice and data