Georgy Ryabov

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OBJECTIVE

To obtain a Software Test Engineer position.

SUMMARY

7 years of in-depth experience in mobile phone software testing and validation process for Motorola Mobility Inc. Two years of which were spent working at the Libertyville IL, USA test facilities.

EMPLOYMENT

2006 – Now

Software Test Engineer, sub-contractor of Motorola Mobility Inc. at [Rhonda Ltd](http://www.google.com/url?q=http%3A%2F%2Fwww.rhondasoftware.com%2F&sa=D&sntz=1&usg=AFQjCNFqsXy3OodngkenMR1KDIn8sHGsDw) (<http://www.rhondasoftware.com/>) – Vladivostok, Russia

Responsibilities:

To provide a complete test coverage for Kernel/BSP related functionalities on Motorola Mobility handsets based on Google Android OS.

Test creation and maintenance:

* Analysis software requirements and industry standard specifications.
* Communication with development and other teams for clarification of missed requirements or ambiguous information.
* Development of test cases, test suites, test plans and scripts based on customer requirement documents. Creation multimedia test content (all popular media formats).
* Validation of test cases written by other software test engineers.
* Track requirements changes and support test cases in actual state.

Test execution:

* Configuration of test setup and equipment for battery current drain and power management measurement, WiFi, ethernet, live and emulated mobile networks, etc.
* Low-level kernel driver component testing for following chipsets: TI OMAP, NVIDIA Tegra, Qualcomm MSM, Broadcom.
* Involved in sanity, component and feature, regression, stress, monkey, interaction, automating testing for BSP/Kernel functional areas testing: I2C bus, CPU usage, 3.5mm jack and audio routing, ALS/Fingerprint/Proximity/Accelerometer sensors, display, touchscreen, keypad, camera, bootloader, manufacturing supported areas, USB, accessory detection, speakerphone, bluetooth, linear vibrator, tethering and USB-Ethernet network support.
* Android application layer testing for mobile network-related features, GPS, WiFi, multimedia, accessories, camera, bluetooth, etc.
* OTA and manual software update for Android version migration process testing.
* Initial failure analysis and provide all required information to development team as to enable further analysis of failures. Discussion with all related teams to be sure with the actual and the expected behaviour of feature.
* Submission change requests using bug tracking systems: JIRA, BUGZilla, ClearDDTS.
* Failure documentation using the Motorola internal Test Central Database System. Generating test result reports and status overviews.
* Test maintenance for the previously delivered versions of Android OS platforms**.**

Support of previous Motorola Mobility handset versions. Regression and sanity testing for:

* Motorola Xoom Tablet, WiFi/3G/CDMA/LTE, Verizon and retail.
* Motorola Xyboard 10” Tablet, WiFi/3G/CDMA/LTE, Verizon and retail.
* Motorola Xyboard 8” Tablet all versions – WiFi/3G/CDMA/LTE, Verizon and retail.
* Motorola RAZR CDMA/LTE and GSM/WCDMA versions phones, Verizon and retail.

Completed projects:

Google Android platform:

* Motorola DROID RAZR M (Qualcomm based) / RAZR I (Intel based)
* Motorola DROID RAZR HD
* Motorola DROID RAZR / DROID RAZR MAXX
* Motorola Xoom, WiFi Only, Nvidia Tegra 2 T20, Verizon
* Motorola Xyboard, Nvidia Tegra 2, Verizon
* Motorola Xyboard, Nvidia Tegra 2, Verizon
* Motorola Atrix 2, GSM/HSDPA, TI OMAP 4430, AT&T
* Motorola Droid 4, CDMA/LTE, TI OMAP 4430, Verizon
* Motorola Photon 4G, GSM/CDMA/HSDPA/, Nvidia Tegra 2 AP20H
* Motorola Droid Bionic, CDMA/LTE, TI OMAP 4430, Verizon
* Motorola Droid X2, CDMA, Nvidia Tegra 2, Verizon
* Motorola Atrix 4G, GSM/HSDPA, Nvidia Tegra 2 AP20H, AT&T
* Motorola Backflip, GSM/HSDPA , Qualcomm MSM7201A, AT&T
* Motorola CLIQ XT, GSM/HSDPA, Qualcomm MSM7201A, T-Mobile
* Motorola CLIQ, GSM/UMTS, Qualcomm MSM7201A, T-Mobile

Motorola Platform 2000:

* Motorola FOMA M702is based on Freescale chipset (NTT DoCoMo Japan cellular operator)
* Motorola V6 Maxx

TOOLS, SOFTWARE AND SKILLS

* Callbox for emulation GSM/UMTS/CDMA network: Agilent 8960 Test App and 8960 Lab App.
* Agilent and Hewlett Packard power supplies.
* USB cable and Charger emulator, current drain and battery power management measurement setup.
* Bug tracking systems: DDTS, Bugzilla, Jira.
* Internal Motorola Test Central Database System.
* Motorola Internal software flashing tool. Qualcomm software tools.
* Media content creation tools: encoders, converters, editors, etc.
* Operating OS: Microsoft Windows family, Linux based.
* Program languages: Python and Java base level.
* English (reading, writing, speaking), Russian (native speaker).

EDUCATION

2002 -2007.

Vladivostok State University of Economics and Service (Vladivostok, Russia).

The institute of information technologies and electronic systems.

Master of Computer Sciences. Degree with distinction.