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OBJECTIVES

Plan and schedule testing projects, create testing documents (including test design spec, test case spec, and test procedural spec), execute manual and automated test cases, and file bug reports, and provide relevant stakeholders with overall test metrics (trends of active, resolved, and closed bugs).

EMPLOYMENT

Microsoft Windows Phone, Nov 08 - Sept 10

Software Design Engineer in Test - Develop test plans for design change requests with test scopes and quality risks, entrance and exit criteria, cost estimates and schedules.

- Plan and execute a test project of PIM home screen app with pluggable widgets of unattended SMS, email, and calendar items of favorite contacts.
- Plan and execute a test project of the Korean lunar calendar feature of Outlook mobile app against Microsoft Exchange ActiveSync v12 and v14 servers.
- Plan and execute a test project to import and export multiple Outlook Contacts from and into a vCard file over Email attachments and Bluetooth transports.
- Plan and execute a test project to support incremental Korean first consonant search in Outlook Contacts and Phone Dialer applications.

Develop and execute test designs, cases, and procedures with specification documents and file bug reports and review test deliverables of plan, and specs from peers and juniors.

Develop educational materials and mentor junior test engineers on How-to flash images, gather logs & memory dumps, and monitor processes and resources.

Collaborate with other disciplines such as developers, and technical PMs and account managers to find reliable repro(s) and isolate various issues on various components of low-level mobile operating systems, system-level and high-level applications.

Maintain the overall quality of software system and the effectiveness of test executions through efforts of preventing defects and obtaining testability.

Develop education materials and provide OEM partners with trainings on test and development tools and procedures on Windows Mobile phones.

Microsoft Windows Phone, April 07 - April 08

Software Design Engineer in Test - Designing test plans, identifying and tracking bugs, writing qualified bug reports, based on the market requirements and user's needs using rich and effective test methodologies and tools.

Ensuring the quality of Microsoft Windows Mobile products by applying excellence in test engineering expertise as an integral part of the product development life cycle.

Investigating issues raised by OEM and coordinating with PMs and TAMs.

Triaging and taking ownership of cases that met escalation guidelines or triggers, and partnering with Support account managers to communicate issues in a timely manner.

Assisting the OEM customer in their manufacturing, development, testing, certification of devices and the adoption of Microsoft technologies into their products.

Mobile Engineering Lab, Samsung Telecommunications America, March 07 - April 07

GSM Test Engineer - Performs software tests and evaluates new wireless products, including the verification of product features by simulation of a variety of customer applications and infrastructure conditions and in conformance with GSM standards and specifications. Performs semi-routine and routine laboratory application tests to evaluate user interface software for quality, standards performance, functionality conformance and adaptation to insure the interoperability of system products. Uncovers and report all hardware and software anomalies that can be found. Compiles test results data and writes required equipment engineering reports, test plans

VMC/Volt Game Labs, Aug 06 - March 07

Language & Compliance Test Engineer - Testing of a variety of pre-release Microsoft game titles and applications. Execution of prewritten test scripts and reporting of product bug/issues/anomalies when found. Specialized in user Interface and Korean language testing. Understanding of testing concepts including functionality and compatibility.

SOFTWARE SKILLS

Windows Mobile - experience with Platform Builder for Windows Mobile, Fakeril tools, WTT, Dilivered 6.1 , 6.5, and 7 products such as 6.1 (Black Jack, JackFrost, Mirage, Omnia I), 6.5(Omnia II, Jack, Epix), 7(Cetus AT&T, Cetus Orange).

Windows CE - utilize debugging tools, such as CE debug messages and CE log events with target control commands, remote tools (kernel tracker, performance mon.), and Application Verifier.

Android SDK - experience with Android SDK and managing Android virtual devices, creating, building, and running android projects, editing and debugging activities, views, and layouts with Eclipse and DDMS.

Effective Java and C# - working knowledge of classes, structures, interfaces, fields, properties, methods, array, list, using clause, indexer, ref & out parameters, delegates, events, and exceptions.

Algorithm design technique - time & space complexity analysis, quick-sort, heap-sort, merge sort, priority queue, string manipulation (tokenize and parse to int), bit operations, linked list, binary search tree.

MS Source Depot and GitHub - setting up client, managing client view, making revisions (edits, revert and undo) and merging/integrating edits (resolve conflicts).

MS Excel & Word - utilize chart, function, macro, filter, subtotals, validation, group and outline, and pivot table and charts, auto-text/auto-correct, field, comment, bookmark, bullets and numbering, styles, track changes, and tables.

HTML/ASP - working knowledge of style sheets, tables, buttons, Iframes object, java script.

Testing Disciplines - boundary value analysis, equivalence class partitioning, pairwise independent combinatorial technique, and code coverage analysis, and graph theory techniques in model-based testing.

EDUCATION

Hongik University, South Korea, 3/2/1994 - 2/22/1998, B.A. of Electrical Engineering