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Summary

Experienced QA engineer with software development background. Collaborative, process-oriented, works independently.   Skilled in creation of test plans and automated test suites; creation and management of QA processes including continuous integration of automated testing; source code management with various tools. Mentors junior employees. Communicates clearly in defect reports, status reports, and process documentation.   Particular experience with distributed, object-oriented systems, agile development methodologies, test-driven development, requirements analysis for testing.

Professional Experience

Sept 2009 – present **ATG** Cambridge MA (now **Oracle**)

Principal QA Engineer Team lead for Functional QA team for the Core Commerce and Promotions teams for the ATG E-Commerce product (now Oracle ATG Commerce). Manage task assignments, project plans, priorities and status for a team of 7 to 9 functional testers plus 3 to 5 automation specialists assigned to our team.   Led significant growth of automated test coverage during two substantial releases, each of which had major structural changes in the product in addition to new features.   Automation is primarily in Java using Selenium for UI automation framework and JTestcase for organizing tests and data.   Work collaboratively with two development teams and project managers, and with the QA leads of the other features of the product. Review test code and test documentation with team members. Review functional specifications, high level plans, and end-user documentation.

Document test processes and tools. Specify test plans for internationalization and accessibility testings. Responsible for detailed test case management and metrics on test execution.   Plan for hardware availability and resource for platform testing on 4 to 8 product configurations.

Sept 2006 – June 2009 **SupplyScape** Woburn MA

Senior Test Automation Engineer Senior-level contributor in fast-paced qa team in close collaboration with product development team. Wrote test plans for new features and significant bug fixes. Manually tested Nexus and RxAuth products, using detailed test plans and highly productive unstructured testing, on Windows and Linux platforms. Examined database state with SQL queries. Developed test automation in selected areas using Java, Groovy, and open source testing libraries on a Selenium framework. Wrote tools to parse and generate XML as needed for test execution.

For the Nexus/E-Pedigree product, planned and executed testing for patch releases, and participated in release planning for major releases. Tested web services integration between SupplyScape products. Responsible for timely testing and release of RxAuth product. Maintained and enhanced continuous integration environment using Hudson and Subversion.

Collaborated with CS organization to improve testing. Documented QA processes and tools. Contributed to team use of agile development methodology.   Reviewed test plans and defect reports from offshore members of QA team. Wrote status reports, defect reports, and QA process documentation.

Sept 2004 – Sept 2006 **Reflex Security (acquired Cylant July 2006)** Lexington MA

Senior QA Engineer. As member of a small team, QA technical lead with testing responsibilities. Work with offshore development and QA team to set uniform standards and processes for bug reporting, regression testing, and other testing processes. Work with development team to create automation for functional testing, incorporating .NET components into a PyUnit test framework. Develop test plans for Windows and Unix back-ends to security management application. Since July 05: Windows system testing; using penetration test tools to test an intrusion detection product on Windows and Unix. User interface and remote update testing on that product. Using WMI for automating smoke-testing and lab maintenance.

July 2002 – Aug 2004 **Permabit** Cambridge MA

Principal QA Engineer. Technical leadership role with strong hands-on component. Collaborate with development team to ensure robust test automation infrastructure, primarily in Perl, with some amounts of Java, and bash. PerlUnit and Junit are the basis for the infrastructure.   Define feature acceptance tests during engineering design of new features. Implement and/or review implementation of the feature acceptance tests.   Plan system testing for quarterly releases.

 Participate in problem resolution, and root cause analysis for issues discovered in the field. Assist with configuration management and release engineering from CVS source repository. Assure consistent tags and labels for production builds.

Improve and maintain nightly test infrastructure and triage process for daily review of automated test results. Integrate QA activities into XP development process. Work with development team to maintain consistent test-driven development practices and predictable release schedules.

Product is written in C++ (client) and Java (server) with a Tomcat –hosted administrative GUI. Testing takes place primarily on Linux systems, but includes NFS clients running on other operating systems.

1999 - 2001   **IBM** Cambridge MA

I/T Specialist (Software Test) within Lotus Professional Services/ Architected Systems Group organization. QA Team Lead for teams of 2 to 5 QE engineers on various projects. Primarily working on complex Lotus Notes (R5) applications. The applications were hosted on AIX, with clients on Windows NT and Windows 98. Specifics included workflow testing, object-oriented design, working with designers and customers to ensure requirements tracking and testability, security and deployment considerations.

Promoted improved QE methodology throughout LPS ASG. Promoted best practices, such as code inspection. Organized speakers and discussion groups to share QE tools and solutions across projects. Mentored junior QE staff. Verified QE estimates on proposals. Assisted in adoption of IBM tools and methods to improve QE standards on projects. Led investigation and purchase decision on tools shared between projects. Documented standards, processes, and roadmap for future improvements.

1997-1999 **Mango (formerly CacheLink)** Westborough MA

Principal engineer. In an individual contributor role, responsible for conducting and coordinating the QA work on the human interface portions of a distributed network file system for Windows 95/ 98 and Windows NT. Although most of the application is unseen by the user during normal operation, the interface included installation, uninstall, automated support technology, the interface to the file system through GUI tools, and network configuration. Developed test strategies and documented test plans.

Conducted testing within a highly automated QA environment with overnight test runs and automatic data collection through tools built in C++, Visual Test, and Microsoft Access. The QA team was an integral and visible part of daily development operations. Design and implementation of tools using this automated environment for testing underlying libraries to the UI features.

After Jan 98, **team leader for UI QA team**, coordinating 3 full time people and as many as 3 additional temporary people when additional staff was brought on. Active in hiring process. Planning of UI QA work for public and internal (beta and partner trial) releases. Participated in code review process, highly successful at finding code defects. Weekly detailed reporting of status and working with development to assure timely attention to problem reports. Participated in shipping readiness decisions.

1993-1997   **Ontos Inc.** Lowell MA

QA team leader (Sept 94 to Jan 97). In this capacity, managed a team of 4-5 QA engineers, 2 release engineers, and 2 project teams in the porting group. Experience in release engineering management, including introduction of CD-ROM production system. Evaluated and introduced ClearCase software configuration management tool. Experience in QA management: developed QA project plans for several consecutive releases of Ontos DB. Mentored other QA engineers in development and execution of QA project plans for object-to-relational-database schema conversion product. C++ test programs were executed by a shell-script framework; required knowledge of SQL to verify test correctness.   Supervised and provided technical direction to execution of QA and build engineering plans. Also provided engineering management support to porting project from our primary platform of Sun Solaris to HP and to Windows NT. Actively participated in recruiting process for all members of the team. Hired and managed consultants as appropriate to meet project goals. Continued to work with development on definition of new features and creation of test plans for new features. As member of engineering management team, participated in developing engineering strategic plans and in recruiting new engineers to Ontos.

Member of Technical Staff (Jun 93 – Sept 94). In this capacity, developed automated tests for new features of the Ontos DB object oriented database product. Maintained and executed regression tests written in C++. Introduced test harness for reporting results of the automated tests. Worked with outside organization to complete QA verification of port from Sun OS to Solaris. Reviewed specifications and customer documentation; worked closely with Tech Pubs group. Evaluated and introduced DDTS bug tracking tool.

1990-1993 **Centerline Software, Inc.** Cambridge MA

QA department (Oct 91 to Jun 93) wrote test plans for new GUI interface for CodeCenter and ObjectCenter programming environments. Test required thorough knowledge of C and C++. Implemented and used test scripts for testing interface. Extensive evaluation of XRunner tools. Responsible for daily test reporting, and test development and maintenance for automated and manual test on five platforms in tight deadline environment.

Prior to 1991
8 years in software engineering roles developing compiler and programming environment technology.
Experience in SQL, Ada, C, and C++, primarily on Unix operating systems.
Details available on request

Technical experience:
Languages: recent experience with Java, SQL, Groovy, XML. Have scripted tests and tools in Perl, Python, various Unix scripting languages, and others . Older experience with program development in C#, C++, and C.
Tools: revision control systems, defect tracking systems, defect and process metrics, agile development, continuous integration, wikis and other shared documentation strategies, code coverage, databases
Operating systems: Many varieties of Linux/Unix, Windows NT/2000/XP

Education
1983 Rutgers College New Brunswick NJ   B.A. Computer Science, English
    Graduate level courses in compiler technology

References available on request