

SENIOR TEST ENGINEER

Career Overview

Logical-minded technical problem-solver with over 15 years of experience in software testing, development, and support ready to take on new challenges as part of a dynamic team.

Qualifications

PL/SQL, Shell Scripting, C, C++, Java, Python, VBScript
Operating Systems: Linux, Unix, Windows, OS X
Specialities: Data Analysis, Data Integration, Automated and Manual Testing, White Box Testing, Back-end Testing
Other Technologies: Oracle, SQL, Quick Test Pro, vi, awk, Regular expressions, JMS, XML, SoapUI, Tibco BusinessWorks

Work Experience

Senior Test Engineer , 01/2014 to Current Northwestern Mutual 1/4 Phoenix , AZ

- Design and develop automated tests against RESTful web APIs for the central resource management component of a cloud-based digital rights library developed for a digital content ecosystem of companies including film studios, retailers, and consumer device manufacturers.
- Test development includes creating XML documents with planned request data and validating response XML using XPATH and regular expressions.
- Review in-depth technical specifications in order to plan testing needs.
- Coordinate automated test runs on new releases and execute manual tests.

Senior Systems Analyst , 01/2009 to 01/2013 Caci International Inc. 1/4 Fort Bragg , NC

- Quality Assurance Devised, executed, and documented detailed test plans to ensure the quality of data integration components, including Java, TIBCO BusinessWorks and BusinessEvents applications on Oracle databases.
- Executed testing of back-end, data-focused integration applications through the creation of XML test messages sent through JMS, as well as setting up staged data in the databases for automated testing of the system.
- Analyzed data in Oracle databases using SQL Developer to ensure data quality.
- Wrote complex SQL queries on Oracle 10g databases for troubleshooting problems and creating Sitescope system monitors to proactively resolve error situations before they caused problems.
- Developed bug fixes using Tibco BusinessWorks, Oracle PL/SQL, and other development tools on Windows and Unix systems.
- Participated in code reviews to provide feedback on code design and make suggestions on improvements.
- Worked closely with business users, manufacturing team, and technical teams to keep operations running smoothly as well as to determine requirements for testing.
- Participated in all aspects of project life cycle including reviewing requirements and software designs for quality, ensuring proper configuration management practices, working closely with developers to quickly diagnose and resolve issues, and validating production migrations.

Principal Quality Assurance Engineer , 01/2008 to 01/2009 Rtx 1/4 Forest , MS

- Designed and wrote complex Quick Test Pro scripts to automate the testing and data analysis of data file loads through data integration components.
- Wrote and executed detailed test plans to ensure thorough testing of data integration components.
- Recorded and followed bugs in Quality Center and ensured full retesting and updated communication.

Senior Quality Assurance Engineer , 01/2007 to 01/2008 Wcg 1/4 Baltimore , MD

- Worked closely with other team members to create automated tests using an internally developed Java Test Bed framework.
- This included expanding the framework to include need-specific functionality as well as implementation of specific test cases using Java.
- Wrote and executed detailed test plans to ensure airline availability application components developed were thoroughly tested.
- Recorded and followed bugs found in testing in the bug tracing database, bugzilla, and ensure they got retested and updated as resolved once they had been fixed.
- Ran tests to compare the performance between different released versions of application components and analyzed the results which included creating charts of the results using gnuplot.

Senior Programmer/Analyst , 01/2004 to 01/2007 Institute For Defense Analyses 1/4 Bowie , MD

- Wrote Quick Test Pro automated test scripts as well as TIBCO BusinessWorks applications to assist in ongoing release testing and regression testing of existing applications.
- Wrote detailed test plans and test cases to ensure all aspects of integration applications were tested thoroughly.
- Analyzed data in Oracle 9i and 10g databases using SQL to ensure data quality.
- Troubleshooting of production problems to determine the root cause and work with a team to determine the best resolution.
- Reviewed software including TIBCO BusinessWorks and Oracle PL/SQL code to verify sound logic and coding practices.

SQA Engineer III , 01/2004 Intertek 1/4 Macomb , MI

- Analyzed data in Oracle 8i and 9i using SQL (through TOAD and SQL*Plus) to ensure data quality.
- Worked in a SunOS environment using Unix tools including vi, awk, and shell scripting to analyze data output.
- Reviewed software code including shell scripts, SQR reports, and C programs for defects.
- Wrote detailed test plans and procedures to ensure all aspects of a program were tested thoroughly and to provide time estimates for testing.

efforts.

- Thoroughly exercised all new programs and program changes, recorded any issues, and coordinated to get them resolved.

High-Performance Software Engineer , 01/2000 to 01/2003 Illumina i74 IA , State

- Wrote and optimized mathematical libraries for a high-performance embedded computing company.
- Was able to quickly learn assembly language and details of the processor layout for Motorola's PowerPC, a RISC microprocessor, to redesign and optimize functions for a new version of the PowerPC.
- These skills were needed quickly to fill a role that was vacated in the company.
- Implemented code in C and C++ to support inter-processor communication in a high-performance image processing application.
- Wrote code for demonstration of library capabilities on multi-processor system.
- Utilized PowerPC/Altivec assembly code, C, and C++.

Education and Training

Bachelor of Science : Applied Mathematics University of Massachusetts i74 City Applied Mathematics

Software Best Practices Series: Software Test, Beyond Proof, Software Engineering Standards, Software Development's Low Hanging Fruit

Code Complete - The Java Programming Language Using Sed, Grep, and Awk Introduction to MATLAB - Integrating and Distributing

MATLAB Based Applications Informatica Powercenter and Powermart Clearcase User Training for the Unix environment Oracle 8i Architecture and Administration Unix Internals Overview

Interests

Tournament Chess, Bridge, Dog Sports and Training, Ultimate Frisbee, Violin

Skills

assembly language, assembly, automate, Awk, C, C++, charts, Clearcase, configuration management, content, Data Analysis, databases, database, film, image processing, Informatica, Java, Java Programming, JMS, Languages, layout, Linux, logic, MATLAB, Windows, monitors, Motorola, Operating Systems, OS, Oracle 9, Oracle, Developer, Oracle PL/SQL, PL/SQL, Oracle 8i, coding, Python, Quality, Quality Assurance, Quick, Sed, scripts, Shell Scripting, shell scripts, Software Development, Software Engineering, sound, SQL, SQR, SunOS, User Training, Tibco, TOAD, Troubleshooting, Unix, VBScript, vi, XML

Additional Information

- Other Interests: Tournament Chess, Bridge, Dog Sports and Training, Ultimate Frisbee, Violin