LEAD SR. SOFTWARE ENGINEER IN TEST

Summary

Focused, detail-oriented Sr. Software Engineer with test experience, full-stack development and architecture experience, excellent troubleshooting skills and a solid understanding of test automation and the role it plays in creating and maintaining quality software.

Highlights

- Spearheaded automated testing for GlobalscapeÂ
- Software performance testing experience
- 14 years of development experience
- Training/mentoring background
- DevOps experience
- Great written and verbal communication skills
- Experienced with both waterfall and agile methodologies

Accomplishments

- Worked to reduce time for manual regression testing from multiple man-weeks to less than 6 hours.Â
- Created Globalscape's regression test suite (C# libraries and NUnit) used extensively for automating end-to-end regression testing.
- Setup and maintained TeamCity CI server for automatically building automation code base.
- Successfully integrated Globalscape's automated testing suite into production CI process (Jenkins nightly build) complete with reporting and email notification.
- Created aÂ test environment and conducted performance testing of Globalscape's product which helped obtain a partnership with F5.
- Winner of Globalscape's 2nd Quarter Golden Globe award 2011.

Skills

Programming languages: C/C++, C#, Java, Javascript, Perl, golang, Scala, PHP
Database languages: SQL, PL/SQL (Oracle), T-SQL (SQL Server), MongoDB
Scripting languages: PowerShell, vbscript
Frameworks: Â NodeJs, AngularJs 2, ExtJs
Test Frameworks: Â TestComplete, Visual Studio, NUnit, Selenium, SenchaTest, Jasmine
Operating systems: Windows Server 2008, 2012, 2016, Linux (primarily Ubuntu, some CentOS and Red Hat Enterprise Linux), Android
CI Servers: TeamCity, Jenkins
Other technologies: Â Git, Visual Studio,Â SourceTree, RESTful web services, VMWare Workstation, ESXi, Hyper-V, WANem (network latency emulation), F5 LTM, Microsoft Azure, OpenSSL, cURL/libcurl, WordPress, DotNetNuke

Experience

Lead Sr. Software Engineer in Test May 2015 to Current
Catalent Pharma Solutions, Inc. ï¼ Baltimore , MD

- Currently leading 3 member automation team in creating, managing and executing automated testing of Globalscape's products.
- Tested using Docker containers in Microsoft's Azure cloud environment.Â
- Used Microsoft Azure to test acceleration feature of EFT which required file transfers between data centers located in different areas of the world.Â
- Established coding guidelines for automation team.
- Established automation framework based on NUnit for running end-to-end regression tests.
- Setup and documented high availability test environment with complex F5 LTM configuration. Gave demo on behalf of marketing as part of F5 partnership.
- Setup and tested 1 million user ODBC test environment for EFT.
- Implemented TeamCity CI server for building test automation code base and running automated tests.

Automation Engineer Jun 2012 to May 2015
Globalscape ï¼ City , STATE

- Created plugin for JMeter (Java) for load testing of Globalscape's products.
- Created Win32 DLL library using libcurl, libssh2, and OpenSSL compiled for HTTP/S, FTP/S and SFTP to test EFT's file transfer capability.
- Setup and maintained extensive virtualized test environment with 12 VMs, 2 F5 LTM load balancers, network latency emulation, and high availability servers.
- Created robust software for both data collection and web-based viewing of performance metrics for Windows machines. System was capable of storing data from long-term load tests that spanned weeks.
- Migrated source code repository from Starteam to Git.
- Created SqlServer AlwaysOn Availability Group Cluster for testing ODBC user database in HA environment (with Multi-Subnet)

Q.A. Engineer Jun 2010 to Jun 2012
Globalscape ï¼ City , STATE

- Researched and sought out the best automated test framework for Globalscape's product line.
- Creation of automated UI tests for flagship EFT product.
- Creation of utility for automating ESXi VM management using vSphere API.
- Creation of load test utility for Globalscape's Mail Express product that simulated file transfers via Outlook for a typical enterprise client.

Software Engineer / Sr. Software Engineer Jan 2003 to Jun 2010
Baytek International, Inc. ï¼ City , STATE

- Software development targeting laboratory data collection, automation of the lab testing process, improvement of lab workflow, and reporting/analysis of lab data.
- Involved in all phases of the software development life cycle from conception design to implementation and even some post-release support.
- Maintained complex legacy code (written in C and integrated with Oracle pre-compiler)
- Key contributor to design, architecture and development effort to move suite of thick client WinBLISS apps to the web.
- Ported complex legacy Sample Login application from 16-bit to 32-bit.
- Filled in as instructor for Baytek's System Admin class as needed.

Technical Writer / Tester Aug 2001 to Dec 2003
Baytek International, Inc ï¼ City , STATE

- Worked closely with engineers and the Q.A. team to update release notes, user guides and other internal documentation for product and projects.
- Filled in with testing as needed for various projects.

Additional Recent Experience

- Created extensive C# library wrapper using Selenium (page-objectÂ model) for web front- end testing of ExtJs.
- Created web backend implementing RESTful web services written in Go.
- Created native mobile Android application which utilized location services.
- Created AngularJs 2 web siteÂ (webpack, nodejs, protractor, and karma)

Education
QAI Training and Certification for Mobile Test Automation 2013
Master of Science , Computer Science 2003 Texas A&M University at Corpus Christi ï¼ City , State
Bachelor of Arts , Secondary Education Oral Roberts University ï¼ City , State With Spanish minor