PRINCIPAL SOFTWARE ENGINEER (AUTOMATION ARCHITECT)

Professional Summary

Accomplished architect proficient in designing automation frameworks, defining testing strategies, as well as planning and managing quality related activities. Demonstrated leadership capabilities coupled with strong technical background.

Skills

Technologies: Java, REST, Web Services, Servlets, JSP, EJB, SQL, Oracle, XML Test Automation Software: Selenium, SWTBot, QTP, Silk Test, Sikuli, Abbot, LoadRunner, Telerik Test Studio, Window Tester. Software: MATLAB, Pega PRPC, Oracle Configurator, Attivio's AIE. Tools: IntelliJ, Eclipse, JUnit, Tomcat, Maven, TeamCity, Web Logic, JProbe, SVN, Emma (JaCoCo), Perforce, Jenkins, Expect4J, Test Rails, Jira.

Work History

Principal Software Engineer (Automation Architect) , 01/2013 to Current
American Eagle â€" Alpharetta , GA

- Took on challenging task to lead and build System Test framework using Java, Expect4j and Jsch for Attivio's core product.
- Researched and presented solution to key stakeholders including R&D and Chief Architects.
- Researched and implemented SWTBot automation framework for Designer (Eclipse based application) which was later adopted by developers to improve code coverage.
- SME on Restful services.
- This involved debugging & fixing issues related to REST/JSON, publishing examples on external facing documentation, responding to customer queries as well as validating functionality using POSTMAN and Curl.
- Provided solutions for enhancing Restful services, specifically to enable CORS.
- Designed and build Selenium framework to automate web based UI.
- Leveraged CI tool, Jenkins for automating installs, deployment and running of AIE application on multiple remote hosts which led to improved efficiency within engineering team.
- Investigated and fixed issues with JUnit based integration tests.

Principal Test Architect (PRPC) , 11/2011 to 01/2013
Imvu â€" Redwood City , CA

- Managed 3 offshore resources to deliver well tested product.
- Researched on automation tools, develop POC and provide recommendations.
- Liaison with Product Managers and development team to estimate and manage testing efforts.
- Planning and tracking of features from inception to delivery.
- Recommended best practices, tools and processes to achieve operational efficiency.

Lead Quality Engineer , 06/2005 to 11/2011
Altru Health System Clinic â€" Erskine , MN

- Conceptualize, design and implement company wide solution for code coverage using open source Emma, resulting in savings of more than $500,000 per year.
- Mentored and trained junior engineers in various aspects of writing automated tests as well as debugging.
- Owned and managed code coverage metrics for more than 50 product teams and helped teams analyze coverage gaps needed to achieve coverage targets.
- Implemented Abbot Java GUI test framework for automating swing UI to achieve 80% coverage.
- Developed project plan, estimated time and resources for a release.
- Lead effort to automate MATLAB on the Web/Cloud (EC2) using Selenium.
- Developed strategy & created prototype for testing SVG based UI's.
- Architected and implemented solution for automating SOAP services.
- Conducted and participated in RCA's, usability study and functional testing.
- Fixed bugs, wrote JUnit tests, refactored code and improved code coverage.

Automation Team Lead , 01/1999 to 06/2005
Oracle Corporation â€" City , STATE

- Trained and mentored QA team of 6 members (offshore and onsite).
- Lead role in designing/developing QTP framework, directly under supervision of Director.
- Reduced testing cycle by expanding test coverage and increasing staff technical expertise in automated test development.
- Implemented test harness to automate API testing using Java/JUnit.
- Developed JSP code to test additional functionality of the product.
- Developed load runner scripts using Virtual User generator.
- Run scripts and analyze performance numbers.

Intern , 01/1998 to 01/1999
Oracle Corporation â€" City , STATE

Education

Masters : Management , 1 2012

UMASS Lowell - City , State

Management Management Consulting, Strategic Management, Accounting, Managerial Finance, Social Media Marketing, Organizational behavior, Project Management.

Masters : Computer Science , 1 1996

Mumbai University -

Computer Science

n/a : Northeastern University Jan -

Electrical Engineering

Skills

Accounting, API, automate, Automation, automation tools, debugging, delivery, designing, documentation, Eclipse, EJB, features, Finance, functional, GUI, Java, JSP, LoadRunner, load runner, Logic, Director, Managerial, Management Consulting, Marketing, MATLAB, Window, Oracle, Organizational, processes, Project Management, QTP, QA, Servlets, scripts, Silk, SOAP, SQL, strategy, Strategic Management, supervision, swing, Tomcat, XML