
Name: QA Enginner

Profile

Information Services and Technology Professional with a proven record of analyzing, designing, developing, testing, enhancing, implementing, improving, and supporting effective processes, applications, and systems. Skilled at determining optimal business solutions that exceed requirements and increase productivity, efficiency, and quality and at providing support that allows clients to utilize systems at their full potential.

Within software testing and quality assurance, I am most proficient at black-box, grey-box, performance, usability, regression, and automation testing, defect identification, and root cause analysis.

Core Competencies

Defect Identification

Results Driven

Collaboration

Test Automation

Problem Solving

Communication

Analysis

Planning

Reliability

Technical Skills

Testing Tools: Selenium WebDriver/RC/IDE, SoapUI, LoadUI, ReadyAPI, TestNG, JUnit, JDBC, ODBC, ALM, UFT, QTP, Eclipse, Maven

Languages: Java, SQL, Groovy, JavaScript, YAML, XML, JSON, JSP, ASP, HTML, CSS

Databases: Oracle, Teradata, DB2

Web Services: REST, SOAP, WSDL, HTTP, FTP, SFTP

Software: Eclipse, Rally, QualityCenter, TestDirector, Remedy, Subversion, ClearCase, Redmine, SourceSafe, StarTeam, POI, Toad, SquirrelL, SQL Navigator

Servers: Jenkins, WebSphere, Tomcat, IIS

Operating Systems: Windows, VMware, Linux, UNIX

Professional Experience

Railinc Corp. – Cary, NC

Dec. 2012 to Mar. 2017

Senior Quality Assurance Engineer (09/2014 to 03/2017)

Quality Assurance Engineer (12/2012 to 08/2014) (Contract through The Select Group)

Designed, developed, and executed automated test suites and manual procedures for verifying the quality and correctness of application functionality in an Agile development environment. Identified and created test cases based on system specifications and requirements and collaborated with business analysts and development teams to verify test plan completeness. Identified, documented, and reported application bugs and deficiencies and verified correctness after resolution completion. Investigated the root cause of production issues. Captured quality metrics and reported results to varied audiences.

- ♦ Manually tested and created automated tests in internally developed test frameworks (Java/Selenium/JUnit/TestNG) for systems that provide user and company onboarding, single sign-on authentication, managing authentication to share confidential data, and maintaining freight industry contact information.

- ♦ Created automated test suites and manual procedures for systems which track train events (Java/MQ libraries/TestNG) and report equipment health through SOAP and REST web services (Java/SoapUI).

- ♦ Participated in envisioning, iteration planning, daily stand-up, technical review, iteration review, retrospective, DevOps, and QA meetings.

- ♦ Advised fellow QAs on Java, Selenium, and SQL concepts.

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Name: Mid Level .Net Developer

Professional Summary

As a .NET software developer with experience building applications using a wide array of Microsoft technologies, I am looking to obtain employment that will not only challenge, but expand my knowledge and experience with web technologies.

Technical Skills Summary

Languages: C#, PL/SQL, SQL, Javascript, jQuery, AJAX, Java, HTML/CSS, XML, JSON, WSDL, R, Python

Databases: Oracle 11.2, SQL Server 2012

Technologies: .NET Framework, ASP.NET MVC 4, Web API, WCF, LINQ, ADO.NET/Entity Framework, AJAX, REST, SOAP, WinForms, Bootstrap, Visual Studio, NUnit, Microsoft Team Foundation Server, Git, JIRA

Experience

SOFTWARE ENGINEER | METABOLON | JAN 2017-PRESENT

- Consulted with research scientists to develop an application that organizes large sets of data into a visual format that displays the output of their experiments using graphs and tables
Technologies: HTML5/CSS3, D3.js/Javascript/jQuery, ASP.NET MVC 4, WCF, Oracle 11.2, Visual Studio 2013
- Maintained and updated legacy WinForms application that allows Data Curators to visualize scientific data (i.e. peak shape, mass spectra of ions, etc.)
Technologies: Windows Forms, WCF, DevExpress, Xceed, Oracle 11.2, Visual Studio 2010
- Developed an API that enables the Data Science team to insert their data into Oracle Database and visualize it using the curation software I maintained
Technologies: Pydata, Jupyter Notebook, PL/SQL, Oracle 11.2, Web API, Windows Forms, Visual Studio 2013
- Contributed to the maintenance of the proprietary Cytoscape plugins that allow clients to visualize their metabolomics data, metabolic pathways, and statistical heatmaps
Technologies: Java, Maven, Eclipse, SQL Server
- Assisted in writing R scripts used to calculate Z-Scores for the Precision Medicine team
Technologies: R, RStudio
- Used API provided by Thermo Fisher Scientific to parse .RAW files and create peak shapes based on the parsed data.
Technologies: MSFileReader, Amazon Web Services S3, WinForms

ASSISTANT SCIENTIST, DATA CURATION | METABOLON | AUG 2015-JAN 2017

- Wrote scripts in R that automate the process of obtaining correlation data from a program called Array Studio
Technologies: R, RStudio
- Used the curation software that is now maintained by me to analyze chemical spectra data to ensure that our metabolomics data is the highest quality possible

Education

BS., Summa Cum Laude, BIOCHEMISTRY | 2015 | NORTH CAROLINA STATE UNIVERSITY

- Computer Science courses: Intro to Programming, Object-Oriented Programming,, Data Structures & Algorithms
- Github projects:
 - <https://github.com/mshumph2/Java-Projects>
 - <https://github.com/mshumph2/Pymol-Scripts>