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**AWS Certified Cloud Architect /QA Automation Engineer**

**Professional Summary:**

* Highly motivated QA **Automation Engineer** with **8+ years** of extensive experience in Software Development Life Cycle (SDLC) including requirements analysis, design specification, coding and testing of enterprise applications.
* Experienced in working on **DevOps/Agile** operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Experienced in **Cloud automation** using **AWS** Cloud Formation templates.
* Experience with migration to Amazon web Services **AWS.**
* Experience with CI **(Continuous Integration)** and **CD (Continuous Deployment)** methodologies**.**
* **Experience in configuration management using ansible, chef and puppet.**
* **Experience in image and container management using tools like docker, LXD/LXC.**
* **Experience in** Terraform**, container orchestration using Kubernetes and monitoring using Nagios**
* Experience in using Version Control Tools VSS, Sub-Version, **Git**, perforce.
* Expertise in using build tools like **MAVEN and ANT** for the building of deployable artifacts such as war & ear from source code. Application Deployments & Environment configuration using **Chef and Puppet.**
* Strong hands on experience with scripting languages like Python, **Ruby**, **PowerShell,** **and JavaScript**.
* Strong experience in working in **RHEL, Ubuntu** and **Windows** environments.
* Experience of **Jenkins**/ Hudson, VS Build Pro, Apache Ant, Apache **Tomcat**, Subversion, **Git**, **Maven**.
* Experience in scripting languages **Ruby**, **Shell** and **Python**.
* Experience is using **Tomcat, Nginx, Httpd, WebLogic, Apache and WebSphere Application** servers for deployments.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* In-depth understanding of the AWS Services like S3,Route53,IAM,DynamoDB,AWScodecommit,CodeBuild,EKS,EC2,Lambda,Elastic beanstalk and serverless solutions.
* Experienced in project analysis, gathering user requirements, technical design and training customers.
* Experienced in Selenium Using JAVA/PYTHON, Maven, TestNg, Junit and Cucumber.
* Experienced in Building Frameworks from scratch which includes POM, BDD, TDD and KDD.
* Highly organized, detailed oriented, able to plan, prioritize work and meet deadlines; work well under tight deadlines
* Experienced in API testing using Postman and SoapUI.
* Excellent communication, interpersonal and managerial skills.
* Great presentation and technical writing skills.
* Working experience on **Agile** Methodology Scrum process and deliver test automation on time.
* Highly motivated team player with analytical, organizational, and technical skills, unique ability to adapt quickly to challenges and changing environment.

**Technical Skills:**

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| **Languages** | Java, Python |
| **Testing Tools** | Selenium WebDriver/RC/IDE/GRID, Cucumber BDD, Jenkins |
| **Test Framework** | Junit, TestNG |
| **Project Methodologies** | Agile-Scrum |
| **Defect Tracking Tools** | Jira, HP ALM, Quality Center |
| **Build Tools** | Ant, Maven |
| **Packages** | MS-Office Suite(Word, Excel, Access), MS-Project and MS-Visual Studio |
| **Databases** | Oracle, SQL, MS Access |
| **Operating Systems** | Windows variants, UNIX, Linux |

**Professional Experience**

**Company: DSD Labs, Montgomery**

**Client: United States Air Force, Alabama. Jul 19 – Till Date**

**Role: Cloud Architect /QA Automation Engineer**

**Responsibilities:**

* Reviewed **business requirements and technical specification** documents and Analyzed **use cases, functional requirements** to write detailed **Test plans and Test cases**.
* Designed Multiple Automation Frameworks (**Keyword Data Driven** **framework/** **Behavior-Driven Development (BDD)** /**Cucumber Gherkin based)**using **Selenium WebDriver, JAVA, TestNG, and Maven**.
* Migrated the **ILS-S Automated Testing from UFT(Unified Functional Testing) to selenium** and then to **AWS** cloud Infrastructure .
* Responsible for identifying test cases for manual and Automation with **Selenium WebDriver** for Functional and Regression tests.
* Implement and manage continuous delivery systems and methodologies on **AWS cloud** using Maven, **Docker, Ansible, Kubernetes,Jenkins**
* Configured the **GIT** repository and maintained the version control using **GIT.**
* Used **Firebug and XPath** for the web-based application testing with selenium for the commands and locator application.
* Serving as a hands-on subject matter expert for **DevOps** and **Automation** in an AWS infrastructure environment
* Involved in running Selenium automation scripts and updating the scripts according to enhanced requirements using **Selenium WebDriver and Python.**
* Analyzed the business requirements, developed test plans and created test cases in **Jira** a test management tool.

**Environment:** Java, Selenium WebDriver, TestNG, Jenkins, Maven, Cucumber, Jira, Eclipse, SOAP UI, Python, Rest , GIT, XPATH, Firebug, SQL, Windows.

**Client: Key Bank, NY. Mar 2017 – July 2019**

**Role: QA Analyst**

**Responsibilities:**

* Analyzed the Business Requirements Specification, System Requirements Specification and User Interface Specification documents.
* Developed and executed Test Plans, Test scenarios, Test Cases, Test Scripts for Manual and Automation Testing**.**
* Identified test cases to automate. Automate those test cases using **Selenium WebDriver**, **TestNG** and **Java (Eclipse IDE)**. Contributed in framework creation.
* Created unit test cases for business component and worked on API server-side System level test cases using **TestNG**.
* Used Java as client library for **selenium and WebDriver** to design and developed Automation test Framework using **TestNG.**
* Responsible for developing test automation Framework using Selenium WebDriver with **Maven** and **TestNG.**
* Used **Maven** to build and run the Selenium automation framework. Once the script got over, framework used to send the automation reports over email.
* Used **Selenium** **WebDriver** **API** to automate tests on **cross browser** and **cross platform** environment. Sound knowledge on **Object Oriented Programming** concept and **Java** Language.
* Involved in pushing the automated test code into CI (Continuous Integration) and monitored the test execution in **Jenkins** once the code pushed into CI.
* Used **Firebug/Firepath** to do web based application testing with selenium for the commands and locator application.
* Used **XPATH**, Regular expression and classes to perform UI actions. Exported output/reports for all automated testing results.
* Tested applications in different types of **browsers and versions**, such as **Internet Explorer, Firefox, Google Chrome** to simulate production environment.
* Involved in **GUI** testing, **integration** testing, **navigation** testing and **regression** testing using web and client-server applications.
* Responsible for updating and maintaining the **HP ALM** for all the defects found during functional and regression testing and follow up of the bug life cycle.
* Executed **SQL** Queries on database tables to verify the database.
* Worked on **Agile (Scrum)** environment and involved in review the stories and participated in Daily Scrum, Iteration Planning and Release Planning meetings.
* Actively participated in **Stand-up meeting, walkthrough meeting, weekly assessment meetings** and daily bug triage meetings and interacted with developers and business analysts to ensure high quality of the application under test.

**Environment:** Java, Selenium WebDriver, Maven, TestNG, Eclipse, Jenkins, Cucumber, SOAP UI, Firepath, Firebug, XPATH, Python, HP ALM, Agile, SQL, Windows.

**Client: United Health Group, PA. Apr 2014 - Jan 2017**

**Role: QA Analyst**

**Responsibilities**

* Worked closely with business analysts and developers for thorough requirements review and developing test scenarios.
* Involved in setting up configuring the testing environment with **Eclipse, JUNIT and Selenium WebDriver**.
* Performed various testing methods like **Functional**, **Usability**, **Security**, **Navigational** and **UAT** testing by creating automated scripts using **Selenium WebDriver** and manually.
* Developed automation test scripts using **Selenium WebDriver**, **JUnit** and **Java**.
* Developed System Test Cases and procedures to test various application points.
* Involved in Look and Feel testing of the application windows using the deliverables.
* Ran **SQL** queries to perform Backend Testing.
* **Quality Center** was used as the overall Test Management Tool, where scripts were located and stored under respective Project Folders.
* Initially involved in creating a Manual Test Cases in Quality Center. Tests were grouped into test plan and executed. Results were recorded and published to management.
* Defect logging and tracking using **Quality Center (QC)** and updated the test defects status with results.
* Attended project meetings, release meetings and QA status meetings.

**Environment:** Selenium WebDriver, Junit, Eclipse, Quality Center, XML, HTML, XPath, SOAP UI, SQL and Windows.

**Client: Commerce Bank, PA. Nov 2011 – Dec 2013**

**Role: QA Analyst**

**Responsibilities**

Performed manual testing and maintain documentation on different types of Testing viz., Positive, Negative, Regression, Integration, System, User-acceptance, Performance and Black Box.

* Involved in analyzing the applications and development of test cases.
* Involved in doing System testing of the entire applications along with team members Applications are tested manually.
* Executed test cases and reported status of the test cases.
* Conducted functionality and regression testing.
* Performed static and dynamic testing to test the application.
* Used HP Quality Center for defect tracking and to report the bugs.
* Developed various reports and metrics to measure and track testing effort and maintained Requirement Traceability Matrix (RTM).
* Analyzed and reviewed the software requirements, functional specifications and design documents.
* Proficient in QA processes, test strategies and experience in creating documents like Test plan and Test procedures.
* Developed test scenarios and test procedures based on the test requirements.
* Documented errors and implemented their resolutions.
* Created test scripts, executed test scripts.
* Developed Test Objectives and test Procedures.

**Environment**: Manual testing, Quality Center, Java, SQL, Oracle, Windows.

**Certifications:**

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| S.No | Name |
| 1. | AWS certified DevOps Engineer (Professional)- valid till 2023 |
| 2. | AWS certified Solutions Architect (Professional) valid till 2023 |
| 3. | Aws Certified SysOps Administrator (Associate) valid till 2023 |
| 4. | CompTIA Security + / valid till 2023 |
| 5. | MTA Python Programming expert/ No expiry |