**QA Engineer**

**Name: Naresh Kumar**

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**PROFESSIONAL SUMMARY:**

* Around 11+ Years of experience in the Information Technology Industry with emphasis on **Quality Assurance, Test Automation** and **Manual Testing** of Web Applications.
* Specialized in Automation Testing using **Selenium** and **API Testing(POSTMAN), Playwrights, Cypress, TOSCA and QTP UFT**.
* Experience in working with open-source tools such as **Selenium (Selenium IDE, Selenium RC, Selenium Web Driver and Selenium Grid), JUnit, JMeter,TestNG, JIRA, ALM and Eclipse.**
* Hands-on experience in working with **Quick Test Professional (QTP UFT)** for automating the standalone applications and web applications.
* Experience in testing activities like **CI/CD(Jenkins)** using **Azure Devops/ AWS, Docker and Kubernetes**.
* Used Desired Capabilities and **Remote Web Driver** in the **Selenium Grid for performing Cross Platform Testing**, **Cross Browser Testing** and **Parallel Testing.**
* Experience in **Data Warehouse**, **ETL testing**, data migration/conversion testing.
* Extensive experience in **creating** and **designing Test Strategy Documents, Test Plan, Test Schedules, Test Cases, Test Procedures** and **Test Scenarios**.
* Good knowledge in developing **Cypress** with **Test** **Driven** Development (**TDD**) with end-to-end testing and Selenium test scripts using Behavioral Driven Development testing.
* Experienced in **functional testing**, reviewing and analyzing business requirements and writing detailed **Test Plans, Test Cases and RTM (Requirement Traceability Matrix)**.
* Hands-on experience in Object Repositories tools like **SVN, GitHub**.
* Well conversant with scripting languages like **JavaScript, HTML, DHTML, and XML**.
* Good understanding and knowledge of **UNIX commands**.
* Good Knowledge in **Agile Tools** like Version One and Rally.
* Good understanding of **SDLC and STLC**, **Black Box Testing, Functional Testing, Integration Testing and User Acceptance Testing (UAT) DBDR testing (Database Disaster Recovery Testing).**
* Hands on experience in **Load and Performance Testing using Gatling.**
* Expert in using different automation testing tools like **Selenium, TestNG, Cucumber, BDD (Behavior Driven Development)** and **Maven**.
* Experience in VB scripting to create and modify code for test cases.
* Performed ETL testing and extensively used SQL functionalities. Used TOAD to connect to Oracle Database.
* Hands-on experience in various **SDLC methodologies** like **Agile** and **Waterfall model.**
* Knowledge of **SOA framework** processes, approaches and strategies.
* Experience in the Quality Assurance and Automated/Manual testing of web based and Client/Server applications tools such as **SOAP UI, Rest Assured and Postman**.
* Good experience in Web UI Testing using Selenium **Web Driver, Protractor, Cypress** UI Testing with Cucumber **BDD** Framework.
* Experience in creating Page Object Model and Page factory model framework
* Experienced in BGP, ISIS, Telemetry, Yang models.
* Worked on ETL packages dealing with different data sources (SQL Server, Flat Files) and loaded

the data into target data sources by performing different kinds of transformations using SQL

Server Integration Services (SSIS).

* Tested the ETL Informatica mappings and other ETL Processes Data Warehouse Testing Used Reporting tool JIRA and Bit bucket for Defect Tracking and Management. Developed and maintained automated regression test cases in Selenium WebDriver using Java.
* Experience with Version One, Confluence, Splunk, Snowflake testing, Power BI testing, Power BI dashboard validations.
* Experience in testing salesforce applications like CRM which includes contacts, Accounts, orders, entities and services.
* Experience in **Mobile testing using Appium** for different Operating systems as IOS and Android
* Used simulators and emulators to perform manual mobile testing and Used appium and xcode for native mobile application automation testing for IOS and Android devices.
* Experience in testing applications in Adobe AEM platform (AEM/CMS).
* Experience in Loadrunner, Performance center and sitescope.
* Data validations using Mainframe/ DB2.
* Hands-on experience working in a fast**-paced environment.**
* **Good Communication Skills**, **Proactive**, and **Quick Learner** in any **Cutting-edge Technologies**.
* **Reliable, organized** and **detail-oriented**, and able to **work independently** as well as a **team member**.

**TECHNICAL SKILLS:**

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| **Testing Tools** | Selenium (Selenium IDE, TestNG, Selenium WebDriver, Selenium Grid), TOSCA, HP Quality Centre/ALM, Cypress, Playwrights, Gatling, Appium, HP Quick Test Professional (QTP UFT), SoapUI, REST API, Maven, JMeter, Jenkins, Bugzilla, GitHub, Jira, Eclipse ID, jUnit, Cucumber, ETL tools, Ansible, Puppet, Chef, Azure/AWS, Docker, Kubernetes, AEM CMS, Android Savvy, UFT, Loadrunner, Performance center and sitescope |
| **Testing Types** | Smoke & Sanity Testing, UAT Testing, Regression Testing, Functional Testing, System Testing, Black Box Testing, End to End Testing. |
| **Programming Languages** | Java, Java Script, HTML, CSS, XML script, Gherkin, UNIX,.net |
| **OS** | All Versions of Windows, UNIX, Mac OS X, Linux, iOS, Android. |
| **Database** | SQL Server, IBM DB2, MySQL, Oracle, and MS SQL, Mainframe |
| **Web Browsers** | Chrome, Mozilla Firefox, IE, Safari. |
| **Business Mgmt. Tools** | MS Word, MS Visio, MS Excel, MS PowerPoint. |
| **Bug Tracking Tool** | Bugzilla, Quality Centre, HP ALM, JIRA. |
| **Utilities** | Eclipse, SVN (Git). |
| **Methodologies** | Agile (Scrum) and Waterfall. |
| **Application/Web Servers** | Apache Tomcat, BEA Web Logic, BGP, ISIS, Telemetry, OpenConfig, Yang Models, IOS- XR based 8000, NCS- 5500, ASR 9000 router operations. |
| **Web Services** | XML, WSDL, XSD, Rest API. |

**PROFESSIONAL EXPERIENCE:**

**Client: Imperva INC, CA Oct 2023 – Till Date**

**Role: Sr. QA Engineer**

**Responsibilities:**

* Analyzed business requirements, functional requirements, use cases and provided feedback for clear
* understanding of each requirement.
* Identified test cases to automate and develop automation test scripts using Selenium WebDriver and Java.
* Involved in creating the functional testing framework using TestNG and using Selenium WebDriver for writing
* Automated Scripts with Java.
* Developed new and updated existing Automation test cases using Selenium WebDriver and TestNG, used Git
* and Source Tree as VCS for a Java based Web application, used Maven as build tool and Jenkins to create and
* run deployment jobs.
* Followed Test Driven Development (TDD) and BDD (Cucumber) as much as possible and written test cases using TestNG for every relevant class.
* Configured and Installed Selenium Webdriver, TestNG, Maven and Jenkins for Continuous build cycles.
* Worked closely with Agile Scrum team to ensure product testability while running E2E Regression tests in
* Selenium WebDriver using TestNG and maintained test environments used for white box testing during new
* product releases.
* Involved in developing Test Automation Framework for the application using Selenium WebDriver with Maven.
* Used POSTMAN for backend API Testing,
* Involved in developing automation scripts for both UI and backend using TOSCA automation tool and QTP UFT.
* Developed automation scripts using Cypress for the test execution of Regression test suites and unit tests.
* Reviewed the automation scripts and created Continuous Integration Jobs in Jenkins using CI/CD pipeline with Azure/ AWS DevOps, Docker and Kubernetes.
* Involved in developing automation scripts for both UI and backend using Playwrights automation tool.
* Involved in functional testing, Integration testing, User Acceptance testing, Regression testing.
* Implemented and worked on Acceptance Test Driven Development (TDD) agile methodologies completing

releases ahead of schedule.

* Experience in creating page object model and page factory model framework
* Involved in Agile (Scrum Process) methodology based on Project Planning, Test Planning and Coordinating on
* all SDLC phases.
* Used Quality Center for bug-reporting, tracking and to create and execute various scenarios, generate graphs,
* overlaid graphs for comparison, and analyzed the results.
* Validated the data in the database by using SQL queries.
* Performed Backend Testing by Executing SQL Queries against Oracle and SQL database.
* Performed Database Disaster Recovery testing in all the testing environments.
* Performed VB scripting to create and modify code for test cases.
* Responsible for the Team performance, and preparing &amp; submitting the graphs and metrics to the higher
* management.
* Used simulators and emulators for testing mobile devices manuallly and used Xcode and appium for automation testing of mobile devices for Android and IOS devices.
* Experience in testing applications in Adobe AEM platform (AEM/CMS).
* Experience in Validations using Loadrunner, Performance Center and sitescope
* Validated test scenarios related to salesforce.com which includes contacts, accounts, orders, entities and services.

**Environment**: Java, Selenium Web Driver, JavaScript, Git, QC, Rally, Fire Bug, Agile, Maven, TestNG, Jenkins, JMeter, Cucumber, TOSCA, POSTMAN, Azure DevOps, Docker, Kubernetes, Cypress, Playwrights, HTML, CSS, XML, XPATH, SOAP UI, SQL, Oracle, TOAD, Windows.

**Client: US Bank, CA Sept 2022 – Sept 2023 Role: QA Analyst**

**Responsibilities:**

* Understanding and gathering of the basic requirements of the user stories given per Iteration.
* Preparing test scenarios, test cases and test scripts from the user stories which includes the functionality and usability cases of the application.
* Preparing exploratory tests scenarios like high level UI related use cases for improving the quality of the application systems.
* Designed, executed and maintained Selenium Web Driver (TestNG) automated test cases for regression scenarios.
* Executing the test cases, test scripts and tracking the defects.
* Thorough end to end testing of the functionalities in the lower and higher environments.
* Performing backend testing using SQL database commands.
* Producing test results, screenshots and upload to HP ALM.
* Tracking issues and workflow using HP ALM.
* Basic understanding of Functional and Regression Test Automation.
* Used POSTMAN for backend API Testing,
* Involved in developing automation scripts for both UI and backend using TOSCA automation tool.
* Developed automation scripts using Cypress for the test execution of Regression test suites and unit tests.
* Reviewed the automation scripts and created Continuous Integration Jobs in Jenkins using CI/CD pipeline with Azure/ AWS DevOps, Docker and Kubernetes.
* Involved in developing automation scripts for both UI and backend using Playwrights automation tool.
* Performed Database Disaster Recovery testing in all the testing environments.
* Performed VB scripting to create and modify code for test cases.
* Providing clear and precise status reports to the team in the mail communication.
* Independently analyzing issues, recommending software changes and creating detailed defect report.
* Active participation in Three Amigos, Backlog Refinement, Sprint Retrospective and Daily Stand-up sessions.
* Preparing the User Manuals and Capability Manuals of the developed User Stories.
* Handles several critical sprints and completed within the stipulated time without any delay.
* Performed web based application testing in test environments such as UAT, SIT and Prod.
* Used emulators and simulators for testing mobile devices manually and used xcode and appium for automation testing of mobile applications.

**Environment**: Selenium WebDriver, Groovy, Shell script, Bean shell script, RC Web Driver, Cucumber, My Eclipse, JIRA, MySQL, AWS, Oracle, Java, JavaScript, AppDynamics, Cucumber, TOSCA, POSTMAN, Azure DevOps, Docker, Kubernetes, Cypress, Playwrights.

**Client: Cisco Systems INC, CA Jan 2020 to Aug 2022**

**Role: QA Engineer**

**Responsibilities:**

* Design, develop, and maintain mobile test automation frameworks using Selenium Web driver with Java and tools like Appium, XCUI Test for iOS.
* Integrate mobile test automation suites with Continuous Integration/Continuous Deployment (CI/CD) pipelines using tools like Jenkins, GitLab CI.
* Write, maintain, and execute automated test scripts in Java for mobile applications across iOS platform.
* Use Appium in combination with Java to develop scripts that cover functional, Application, Regression, and UI testing scenarios.
* Use device farms like Browser Stack to perform cross-platform and cross-device testing.
* Identify and interact with mobile UI elements using techniques such as XPath, ID, Class Name, and UI Automator Viewer.
* Conduct performance testing on mobile applications using tools like JMeter, LoadRunner with Appium for automated performance checks.
* Develop and execute API tests using Java and tools like Rest Assured to ensure that the backend services interact with the mobile app function correctly.
* Perform backend validation using SQL queries to check data integrity.
* Identify, log, and track defects found during automated test execution using tools like JIRA.
* Create and manage test data required for automated mobile tests, ensuring data consistency and reliability.
* Generate detailed test reports, including pass/fail status, logs, screenshots, and video recordings of test executions.
* Document the mobile automation framework, test scripts, and testing processes to ensure knowledge sharing within the team.
* Maintain up-to-date records of test cases, test plans, and automation strategies.
* Collaborate closely with QA, Development, and DevOps teams to ensure seamless integration of mobile testing into the overall software development lifecycle.
* Participate in Agile ceremonies such as daily stand-ups, sprint planning, and retrospectives.

**Environment:** Windows, Selenium, UNIX, MS Access, Test Scripts, Jira, Jenkins, Load Runner, JMeter, SQL, Gitlab.

**Client: Sunera Technologies, MD. June 2017 to Dec 2019**

**Role: QA Engineer**

**Responsibilities:**

* Executed manual and automated test cases for web and mobile applications, ensuring they met functional, regression, and performance requirements.
* Analyzed system requirements, prepared Requirements Traceability Matrix, and developed Test Cases for system testing in Test Director.
* Involved in preparation of Test procedures, test data for testing the application.
* Involved extensively in conducting integration, performance and stress testing. Performed smoke test for internal releases.
* Executed manual and automated test scripts and verified results with actual results.
* Created automation test scripts to carry out Functional and Regression Testing using Win Runner Test Scripting Language (TSL).
* Recorded the GUI operations in the record mode using Win Runner.
* Created automated test scripts in context sensitive and analog mode as per the business requirements.
* Created GUI checkpoints, bitmap checkpoints to compare actual and expected results.
* Created the GUI checkpoints to check the behavior of the GUI objects in the application.
* Database check points are used to verify the database entries and to ensure data consistency and integrity.
* Generated the test reports and analyzed the defects using Win Runner.
* Integrated Win Runner with the testing management tool Test Director to automate many of the activities in the testing process.
* Ran the scripts in debug mode to check the logical and syntactical errors in the script and then ran the scripts in verify mode from the top. Executed the scripts individually and in Batch mode.
* Batch Testing performed for Automation scripts.
* Performance Testing done using Load Runner.

**Environment:**VB, SQL Server, Windows2000, .Net, Oracle 9i, Test Director 7.0, Win Runner 6.0, Load Runner, QTP.

**Client: Chain – Sys Limited, India. Apr 2012 to Jan 2017**

**Role: QA Analyst**

**Responsibilities:**

* Developed, maintained, and executed comprehensive test plans and test cases for web and mobile applications, with a focus on functional and regression testing.
* Analyzed, created, and revised test plans according to business requirements.
* Developed Use cases and Activity Diagrams.
* Helped the Customer in defining the high-level Functional Requirements and needs.
* Gathered the Business Requirements, developed Process Model and detailed Business Policies, and modified the business requirement document.
* Wrote numerous test cases based on test strategies.
* Performed Functionality and Regression testing during the various phases of the development.
* Validated the system End-to-End Testing to meet the Approved Functional Requirements.
* Utilized UML to create use cases, activity, class diagrams and workflow process diagrams.
* Participated in User Acceptance testing.
* Used Test Director to report defects and test results.
* Conducted the Final Customer Acceptance Testing, System Acceptance and End-to-End testing.
* Created VU Gen scripts using Load runner and ran different Scenarios.
* Categorized bugs based on the severity and interacted with developers to resolve them.
* Actively participated in Status meetings and interacted with development team to discuss the technical issues.
* Reviewed test results for the compliance and reported any discrepancies to the management.

**Environment:**UNIX, Load Runner 7.5, UML, Test Director 7.6, DB2, QTP, SQL plus, JAVA, JAVA Script, Windows 2000/NT.

**EDUCATION:**

* Masters in Software Engineering - San Jose State University (2017 – 2019)
* Bachelor in Engineering in Computer Science - Anna University (2008 – 2012)