**Krishna Chaitanya Yaramati**

**QA Engineer**

**Phone:** (469) 844-7172

**Email:** [krishnachaitanya2807@gmail.com](mailto:krishnachaitanya2807@gmail.com)

PROFESSIONAL SUMMARY:

* Over 9 years of experience in Object-Oriented Programming, analysis, design, development, testing, implementation

of multi-tier distribution, enterprise applications using java and J2EE technologies within the Software Development Life Cycle (SDLC).

* Experienced software developer with a strong focus on quality assurance and testing. Proficient in all stages of the Software Development Life Cycle (SDLC), including requirements analysis, implementation, and database design. Skilled in running automated regression tests, analyzing results, and filing detailed bug reports.
* Utilized various automation tools, including HP UFT, Selenium with Core Java, and TOSCA for automated testing.
* Developed release notes, acceptance test plans, and traceability matrices to ensure comprehensive test coverage and alignment with project requirements.
* Effective communicator, adept at collaborating with business and development teams to understand requirements and review test scenarios, ensuring that test cases align with the product's business needs.
* Demonstrated expertise in executing tests from Java IDE, continuously improving test coverage as new features are integrated into regression and other test cycles.
* Proficient in leveraging Python to create custom automation scripts for complex testing scenarios, including dynamic data handling, API validations, and seamless test integration.
* Experienced in agile development practices, actively participating in the development and documentation of user stories, estimating testing efforts, and validating tests using tools like Jira, Cucumber, Swagger, Gradle, MVN, Splunk, Git, Stash, and Amazon Web Services (AWS).
* Proven proficiency in TOSCA Test Suite, including module management, test case design, requirement management, and execution.
* Experienced in utilizing Playwright for end-to-end automated testing of web applications, leveraging its cross-browser capabilities to ensure consistent functionality across different platforms
* Developed robust Cypress Test Framework with a Page Object Model, enabling functional UI automation and end-to-end automation, with a focus on continuous integration through Jenkins Pipeline setup.
* Experience in Cross Browser Testing and Parallel Test Execution using Selenium Web Driver, TestNG and Selenium Grid
* Experience in creating page objects using the Page Object Model (POM), developing reusable library functions in Java and Python for efficient test automation, and using unit testing frameworks like Junit, TestNG, PyTest and Unittest to ensure code reliability and maintainability.
* Expertise in Automation tools such as Selenium Web Driver, Selenium IDE, Selenium Grid, Java, Git Hub, Jenkins (continuous integration-CI), Maven, TestNG, JUnit, Cucumber (BDD/TDD) Protractor and Appium.
* Skilled in integrating Playwright tests into CI/CD pipelines, facilitating continuous testing and deployment, and ensuring rapid feedback on application performance and functionality during the development lifecycle.
* Experience in designing, developing, and maintaining Test Automation Frameworks like Data Driven, Keyword Driven, Hybrid and BDD/TDD/ATDD.
* Experience in working with the scrum master, product owner and users to derive the Scenarios and created features using Gherkin language, Step definitions and cukes test using Cucumber
* In-depth knowledge of automation test scripts using TOSCA tool, enhancing efficiency through automated execution of regression scripts. Proficient in creating and running automation Jenkins jobs for regression testing.
* Tested manually and Automated Hybrid Mobile Application using Appium, Selenium, protractor, JavaScript, Java.
* Experienced in maintaining and managing code across multiple branches (develop, master, prod) using Git commands.
* Experienced professional in data integration and software testing, with a strong focus on ETL (SSIS) development, Proficient in extracting, cleaning, transforming, and loading data into final databases, employing a comprehensive understanding of ETL processes and best practices.
* Performed load and performance testing on web applications and APIs using the tools Apache JMeter and LoadRunner.
* Proficient in leveraging AI and chatbot technologies, with a strong understanding of AI-based testing methodologies and experience in validating conversational flows to enhance user interactions and ensure robust chatbot performance.
* Skilled in creating SQL queries, stored procedures, views, and types to enhance data manipulation and retrieval.
* Well-versed in preparing requirement traceability matrices, test scripts, and defect reports, utilizing JIRA for test repository maintenance, bug tracking, and reporting.
* Experienced in AI/ML model testing, focusing on validating model accuracy, performance, and data integrity, as well as implementing testing frameworks to evaluate machine learning predictions and model stability across various scenarios.
* Experienced in performing various testing types, including black box testing, integration, web service, and regression testing, with a focus on bug identification and reporting to facilitate prompt resolution.
* Capable of preparing detailed test cases aligned with business logic and user requirements for manual testing. Proficient in defect reporting and management using HP ALM/Quality Centre, coordinating with development teams during planning and execution phases.
* Excellent communication and collaboration skills, demonstrated through active participation in daily scrum meetings to analyze progress and address issues/enhancements effectively.
* Overall, a dedicated professional with a solid background in software development and testing, possessing a wide range of technical skills and a commitment to delivering superior software products through effective testing strategies and automation frameworks.

TECHNICAL SKILLS:

|  |  |
| --- | --- |
| **Languages** | JAVA, Python, C#, HTML/XHTML, XML, JavaScript |
| **Testing Tools** | Selenium Web Drivers, Quality Center, TFS, Microsoft Test Manager, SOAPUI, Postman, Jenkins, Karate, Rest Assured, HTTP client libraries, Test, Maven, POM, XML, JSON, Mobile Testing, Test complete, Load Runner, POS Testing, Dynatrace, New Relic, AppDynamics, Playwright, JIRA, TestRail. |
| **IDE** | Eclipse, Visual Studio, IntelliJ, SQL Server management Studio (SSMS), Dream weaver |
| **Web Debugging Tool** | XPath, Xpather |
| **Databases** | SQL Server, MS Access, MongoDB, PostgreSQL |
| **Browsers** | Internet Explorer, Firefox, Safari, Google Chrome |
| **Test Framework** | Junit, TestNG, NUnit, Cucumber (BDD/TDD), SpecFlow |
| **Operating Systems** | Linux, Windows, macOS, Unix, IOS, Android. |
| **Methodologies** | Agile, Scrum, Waterfall, STLC, TDD, BDD. |
| **Version Control** | SVN, SourceTree, Bitbucket, GIT, GITHUB, Bitbucket, TFS, TFVC |

PROFESSIONAL EXPERIENCE:

**Client: GE Healthcare, Milwaukee, WI August 2023 – Present**

**Role: QA Engineer**

**Responsibilities:**

* Participated Software Development Life Cycle including Requirement Analysis, implementation, built database and documentation.
* Interacted with business and development teams for requirements and test scenarios reviews and created test cases to meet product's business requirements.
* Execute tests from Java IDE and improve test coverage iteratively as new features become part of regression and other test cycles.
* Participate in developing and documenting User Stories, including testing estimates and validation tests using tools like JIRA, IntelliJ, Cucumber, Gherkin, Postman, Swagger, Gradle, MVN, Splunk, Git, Stash, Amazon web services (AWS).
* Planned and implemented the Data Marts move from DB2 UDB, including designing the new data structure
* Knowledge of Spring framework, including Spring Core, Spring MVC, and Spring Security.
* Automated RESTAPI’s using Java and Rest Assured java Library which follows the TDD/BDD model and asserted HTTP codes, response data etc.
* Good Knowledge of TOSCA Test Suite - Module, Test cases, Test Cases Design, Requirement, and execution.
* Followed DevOps continuous integration (CI) tool Jenkins to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet and mobile.
* Proficient in using Fiddler as a powerful tool for web debugging and traffic analysis, ensuring the quality and reliability of web applications.
* Agile SDLC, creating test plans & test cases, automating tests: VS 2013, Ranorex Studio, .NET, C#.
* performed load and performance testing on web applications and APIs using the tools Apache JMeter, Blaze meter and LoadRunner.
* Expertise in grouping of test suites, test cases and test methods for regression and functional testing using TestNG Annotations like Groups, Parameter, Data Provider and Tags.
* Created UI automation test framework (using .NET, C# & wrapping the API) allowing easy test creation for Lynda pages on supported OSs & browsers, to allow quality testing of the Lynda experience from the user's perspective.
* In order to simulate high user loads and evaluate system performance under various load levels, test scripts and scenarios were created.
* Developed Cypress Test Framework with Page object model to enable functional UI Automation and End to End Automation with Jenkins Pipeline setup for continuous integration.
* Committing the developed code from terminal using Git commands. Creating branches and tagging the code.
* Involved in Automation Framework development from scratch using Selenium WebDriver, TestNG, Cucumber JVM and Page Object Model in Eclipse.
* Developed and executed test cases for a real-time data processing system using Kafka as the messaging platform.
* Conducted Functional testing, Regression Testing using selenium with Data-driven framework and Key- Word driven framework.
* Proficient in designing and executing comprehensive unit tests using popular frameworks such as NUnit, xUnit, and MSTest to ensure the reliability and correctness of software components.
* Perform REST web services setup and testing using Postman, checking in Swagger.
* Develop automated tests for features developed in-sprint.
* Experience working with Automation Test scripts using TOSCA tool, which helped in executing the Regression scripts automatically.
* Involved in preparing test cases using Selenium with Java to validate all UI components, Pop-ups browser navigations, Mouse Movements.
* Responsible for creating Well-Architected Application on AWS using Auto Scaling, Lambda, SQS, SNS, ELB, Caching and database layer as necessary.
* Used Desired Capabilities to configure driver instances and set browser properties for Firefox, Chrome and IE browsers and to handle SSL certificate Errors in Selenium, WebDriver, Testing.
* Implemented test automation scripts for mobile testing.
* Worked collaboratively with cross-functional teams to reproduce and isolate complex issues by analyzing network traffic patterns with Fiddler.
* Followed DevOps continuous integration (CI) tool Jenkins to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet and mobile
* Configured alarms in CloudWatch for monitoring the server's performance, health, CPU utilization, Memory and disk usage of AWS resources using AWS CloudWatch.
* Collaborated closely with development teams to create detailed test cases, employing NUnit, xUnit, and MSTest to validate code functionality at the unit level.
* Write chef cookbooks and deploy docker container for infrastructure as a service.
* Involved in extracting customer's big data from various data sources into Hadoop HDFS. This included data from mainframes, databases and also logs data from servers.
* Conducted thorough regression testing on .NET applications after code changes, validating that new features and fixes did not adversely affect existing functionality.
* Experience in Page Object Model (POM), Data Driven, Behavior Driven Development and Keyword Driven: Framework with Web Services tools like SOAP UI, REST API.: Possess good exposure to Continuous Integration /Continuous Delivery process/set ups (CI/CD).
* Implement test automation framework into CI/CD pipeline using TFS and TeamCity.
* Developed Web UI and API automated tests using Robot Framework, Selenium and Web Test library.

**Tools and Environment:** HP ALM, JIRA, SQL, Selenium WebDriver, Java, REST Assured, TOSCA, Cucumber, Gherkin, IntelliJ, Postman, Swagger, Fiddler, Apache JMeter, BlazeMeter, LoadRunner, TestNG, NUnit, XUnit, MS Test, Ranorex Studio, .NET, C#, Eclipse, Git, Jenkins, Selenium Grid, AWS,DB2 UDB, CloudWatch, Kafka, Docker, Chef, Hadoop HDFS, SOAP UI, REST API, Robot Framework, Web Test Library, Maven, Gradle, Amazon Web Services (AWS), Page Object Model (POM), Data-Driven, Behavior-Driven Development (BDD), Continuous Integration (CI)/Continuous Delivery (CD), TeamCity, TFS, Agile/Scrum.

**Client: Barclays, Whippany, New Jersey March 2021 – August 2022**

**Role: QA Automation Engineer**

**Responsibilities:**

* Involved in creating SQL Queries, Stored procedures, Views and Types.
* Integrated the various modules and deployed the project in various environments.
* Use Java to develop and maintain automation tests and framework libraries to verify the software functionality and reliability.
* Familiarity with Spring Data JPA for database testing.
* Prepare the requirement traceability matrices with test scripts and defects.
* Using JIRA for storing, maintaining the test repository, bug tracking and reporting.
* Performed Black Box, Integration, Web Service and Regression Testing in STLC. Investigated and reported bugs to the developer.
* Tested RESTful APIs and web services integrated with .NET applications, ensuring proper data exchange and functionality
* Used Jenkins to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet and mobile.
* Involved in Automation Framework development from scratch using Selenium WebDriver, TestNG, Cucumber JVM and Page Object Model in Eclipse
* Conducted rigorous mock testing with frameworks like Moq or NSubstitute in combination with NUnit, xUnit, or MSTest to isolate components and ensure accurate behavior.
* Prepared Detailed Test Cases by understanding the Business Logic and User Requirements for manual testing.
* Identifying the Test Scenario for Functionality and Regression Testing.
* Defect Reporting and management using HP ALM\ Quality Centre.
* Utilized Grafana to monitor real-time performance metrics, visualize test results, and identify performance bottlenecks during load testing.
* Automating (JavaScript, C# .NET) manual test cases to improve efficiency and quality of test coverage.
* Knowledge in testing microservices using Spring Cloud and Eureka.
* Setting up and configuring Jenkins for continuous integration and continuous deployment (CI/CD) processes.
* Co-ordination with development teams during planning and execution.
* Interacting with technical team for any technical assistance and coordinating with testing team for UAT defects vide.
* Collaborated with the development team to troubleshoot and resolve issues related to Kafka message consumption and processing.
* Proficient in using Spring Boot to build and deploy microservices and web applications.
* Actively participated in daily Scrum meetings to analyze the progress of the issues/enhancements.
* Involved across various releases in the project.
* Consistent Delivery of execution reports on daily bases.
* Providing post-implementation, enhancement and maintenance support to client for application.
* Proactively conditioned the accounts as well ahead for project executions.
* Review test cases feasibility for Automation.
* Development of scripts to automate test cases.
* Modifying and migrating existing scripts.
* Execute the test automation scripts on code release bases.
* Developing Reusable Scripts Using QTP and Executing the Scripts from Quality Centre.
* Efficiently integrated Cards Domain expertise in building solid Test Automation Suites.
* Ensuring Timeliness in completion of UAT and deployment of project.
* Building and maintaining SSIS Package development.
* Scheduling jobs in Autosys and maintaining the jobs.

**Tools and Environment:** SQL, Java, Python, Spring Data JPA, JIRA, Selenium WebDriver, TestNG, Cucumber JVM, Eclipse, Moq, NSubstitute, NUnit, xUnit, MSTest, DB2 UDB ,HP ALM/Quality Centre, Grafana, Jenkins, Spring Cloud, Eureka, Kafka, Spring Boot, QTP, Quality Centre, SSIS, Autosys, RESTful APIs, Microservices, .NET, JavaScript, C#, Selenium Grid, Page Object Model (POM), Agile/Scrum.

**Client: Nationwide, Columbus, OH November 2019 – February 2021**

**Role: QA Automation Engineer**

**Responsibilities:**

* Requirements study and Understanding the Functionalities.
* Prepared Detailed Test Cases by understanding the Business Logic and User Requirements for manual testing.
* Proficient in performing quality assurance testing on .NET applications, ensuring functionality, performance, and reliability meet established standards.
* Involved in Test Planning, Test Cases building, Data Conditioning and Test Execution.
* Involved in Sanity, Functional, Regression testing.
* Contributed to the establishment of QA best practices and process improvements, enhancing the overall quality assurance process for .NET projects.
* Identifying the Test Scenario for Functionality and Regression Testing.
* Test logs, review and delivery of the test logs to the client.
* Defect Reporting and Tracking in HP Quality Centre.
* Co-ordination with offshore teams during planning and execution.
* Involved across various releases in the project.
* Consistent Delivery of execution reports on daily bases.
* Providing post-implementation, enhancement and maintenance support to clients for application.
* Proactively conditioned the accounts as well ahead for project executions.
* Development of scripts to automate test cases.
* Modifying and migrating existing scripts.
* Execute the test automation scripts on code release bases.
* Developing Reusable Scripts Using QTP and Executing the Scripts from Quality Centre.
* Efficiently integrated Cards Domain expertise in building solid Test Automation Suites.

**Tools and Environment**: .NET, HP Quality Centre, QTP, Manual Testing, Sanity Testing, Functional Testing, Regression Testing, Test Automation, Test Planning, Test Case Development, Defect Tracking, Offshore Coordination, Automation Script Development, Agile/Scrum.

**Client: Oportun, Houston, TX June 2018 – October 2019**

**Role: QA Tester**

**Responsibilities:**

* Involved in the preparation, review, and execution of test cases.
* Wrote the Test Plan for the web application after analysing the specifications and business requirements and performed end-to-end manual testing of the application.
* Wrote several test cases for testing various functionalities.
* Conducted security testing to ensure the application business logic and identify and patch all vulnerabilities.
* Performed functional, navigation, regression, and smoke tests on the new enhancements added to the web application in different environments such as UAT, stress, and production.
* Planned and documented test cases for functionality, security, performance, database, and acceptance testing.
* Used various queries to validate and populate data into tables.
* Developed test cases and test scripts to fully validate functionality and ensure the application meets all security and privacy requirements.
* Participated in test environment setup, ensuring that facilities, test tools, and scripts were in place for successful testing efforts.
* Wrote SQL statements to extract data from tables and verify the output data of the reports.
* Provided complete information to developers to understand the bug, including its severity and reproducibility
* Performed load and performance testing on .NET applications to evaluate their responsiveness and scalability under different workloads.
* Extensive experience in Web front-end and back-end test automation using Java, JavaScript, Selenium WebDriver and Robot Framework.
* AWS, Docker, Monitoring, cloud admin, ansible, terraform.
* Develop, document, and maintain the test strategy and test scenarios.
* Partner with the developers to ensure all areas of the application are fully tested and issues are clearly logged and prioritized consistently.
* Configured test environments for specific test cases, created test data, and executed automated and manual tests.
* Documented results and updated defect tracking systems in ClearQuest.
* Performed extensive functional GUI level testing and wrote/modified tests from scratch.
* Created and executed automated test scripts.
* Involved in user interface testing, usability testing, functionality testing, and smoke testing of the application.
* Conducted user acceptance testing before the initial release when the project reached the final phase prior to deployment. Monitored and planned tests and test scripts using Quality Center and used its bug reporting capabilities to track and document bugs.
* Assign the tasks to the team and clarified requirements, preparation of test data, execution and automating the test cases using TOSCA Tool. Review test cases written by peers to ensure that all requirements are covered in test case documentation.

**Tools and Environment:** SQL Server 2005, Java, JavaScript, Selenium WebDriver, ClearQuest, Quality Centre, Robot Framework, TOSCA Tool, sola, Docker, Ansible, Terraform, Cloud Admin, Test Planning, Test Automation, Functional Testing, Regression Testing, Defect Tracking, SQL Queries, Load and Performance Testing, Agile/Scrum.

**Client: Value Labs, Hyderabad, India August 2014 - February 2018**

**Role: QA Tester**

**Responsibilities:**

* Collected requirements from Business Analysts and the Business Team.
* Developed comprehensive Test Plans using business requirements, use cases, and functional design documents. Created and executed test scenarios and test cases with HP ALM.
* Mapped requirements and provided a detailed traceability matrix.
* Validated payloads in MQs (Message Queues) and back-office systems.
* Tested the SMP web portal and enhancements, verified the database using SQL queries.
* Conducted manual testing of REST API endpoints.
* Verified features and bug fixes throughout the development and release process. Tracked defects through JIRA, prioritized fixes with development teams, and conducted re-tests to ensure smooth transitions between development cycles.
* Actively participated in Agile team meetings, including sprint planning, retrospectives, and daily stand-ups, to ensure alignment with project milestones.
* Reported project progress to the client lead and ensured timely delivery of the project.
* Assisted in setting up and maintaining test environments, troubleshot test setup issues, and ensured stable environments for test execution.
* Participated in UAT (User Acceptance Testing) to validate system functionality against business expectations and provided post-release support to confirm production environment functionality.

**Tools and Environment:** HP ALM, JIRA, SQL, Manual Testing Tools, REST API Testing, JIRA, Message Queues,

RESTful API, Databases, SDLC, Agile/Scrum.

EDUCATION:

* Bachelor’s in computer science – Jawaharlal Nehru Technological University, 2014