

**BOOMIREDDY PEDDIREDDY**

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**Experience Summary:**

- Over **6+ years of experience** in Information Technology, specializing in Software Quality Assurance Testing, proficient in testing on Client/Server and Web and API based applications and good experience on core Java, OOPS concepts.
- Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into comprehensive Test Scenarios with Test Strategies and Test plans.
- Extensive experience in reviewing and analyzing Business Requirements and creating Test Plans, Test Cases, Test Scripts, Test Estimation & Requirement Traceability Matrix.
- Proficient in executing Test cases to produce bug/defect and reports on resolved bugs using JIRA. Extensively experienced in working with HP ALM/Quality Center for Site Administration.
- Active participant in all the Agile ceremonies sprint planning, Test Review, Sprint demo, Retrospective, Backlog Grooming, and bug triage meetings.
- Experienced in designing and developing Test Cases for automated testing using Selenium. Proficient in creating Selenium tests scripts for regression testing and performing Data Driven Test using test data from excel files.
- Experienced in configuring Selenium WebDriver, TestNG, Maven tool and creating selenium automation scripts in java using TestNG in Agile environment.
- Created test data using Selenium, Java, Java Scripts and provided framework for creating test data for the application.
- Experience in creating Jenkins CI/CD pipelines to run automation suites on daily basis/for release runs.
- Implemented Appium scripts to test IOS and Android platforms.
- Hands on experience in using build and project management tools like Ant, MAVEN, and Configuration management tools like SVN, GIT.
- Experienced with Unit Testing, TestNG, ANT, Maven and Jenkins using scripting language of Java, JavaScript, XML, Excel, HTML/DHTML DOM, and supporting tools.
- Experience working on TOSCA, Creation of Modules/ Libraries/Test Cases/Execution List/Test Events, Requirements Mapping, Test Execution on DEX Machines, Integration of CI/CD/CT- TOSCA Automation tests. Installation & Configuration of TOSCA/DEX.
- Good experience in testing both SOAP and REST services using SOAP UI, Postman, Rest Assured and Tested both XML and JSON formats.
- Proficient in Cypress, an end-to-end testing framework, with a track record of designing and implementing robust test automation scripts for web applications to ensure functionality and reliability.
- Strong hands-on experience in developing automation scripts for Web UI, Web Services and APIs.
- Solid knowledge in Java and OOPS concepts (Inheritance, Encapsulation and Polymorphism), Object, Method, Interface, Abstract Class, Keywords and Variables required for Selenium frameworks.
- Good Knowledge in using GitHub for code repositories and Maven for the dependencies and Jenkins for Continuous integration.
- Experience in interacting with cloud services in AWS like EC2, S3 bucket and DynamoDB.
- Proficient in testing HL7 interfaces and working with Data Analysis pipelines in Azure environment.
- Good exposure in preparing weekly status reports to keep track of project deliverables, attend and follow up items discussed in stand up and scrum meetings.
- Experience in defining Testing Methodologies, Designing Test Plans and Test Cases, Verifying and Validating Web based and Client/Server applications.
- Proficiency in scripting languages such as Java, Python, or C# for test automation.

**Education:**

- Master of Computer and Information Sciences from New England College, New Hampshire.
- Bachelor of Engineering from GITAM Deemed to be University, India.

**Technical Skills:**

Test Approaches	Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle
Testing components and Frameworks	Selenium WebDriver, Selenium Grid, TestNG, Jenkins, Cucumber, Page Object Model, Keyword Driven, Data Driven, Hybrid.
Testing Tools	Quality Center, HP ALM, Tricentis Tosca
Development Methodologies	Agile/ Scrum, Waterfall, Jira, Kanban
Languages:	C/C++, JAVA, Java script, Python
Database/Database Tools	SQL, SQL Server, Oracle, MySQL
Operating Systems	Windows XP, UNIX, LINUX
Version Control Tools	Subversion (SVN) GitHub, and Git
Utilities	Eclipse, MS Project, Outlook, Excel, PowerPoint, MS Access, Word

**Certifications:**

- Tricentis Tosca Fundamentals - Automating web application testing (AS1).
- Tricentis Tosca Fundamentals - Optimizing test automation with centralized test data (AS2).

**Professional Experience:****NRG Energy, Houston, TX****Sep 2022 to Present****QA Automation Engineer****Roles and Responsibilities:**

- Have extensive experience in building, executing, maintaining, and conducting smoke, regression, functional tests.
- Contribute to manual feature testing and regression testing of end-to-end workflows.
- Writing and executing test cases to validate whether the functionalities match the requirements specified.
- Performing Manual and database testing to test bank customer on-board application.
- Performed functional tests using Selenium WebDriver with data driven framework and generated Extent report for test cases execution summary.
- Creating Selenium web-driver automation using Java for various functional flows in web-interface.
- Performing Data driven testing using Selenium WebDriver, TestNG functions that read data from scripts using XML files.
- Experience in performing API testing using Postman and SOAPUI.
- Experience in querying the Oracle & Postgres DB using SQL with basic to advanced queries using JOINS (Inner, Outer, Left, Right).
- Involved in Cucumber testing and defined the test scenarios and created the test cases in Test Manager.
- Developing and integrating the step definitions for each step in the Cucumber scenarios.
- Executed automated Test Scripts through Maven and used maven for building the WebDriver project.
- Conducting Sanity, Integration, and System Testing of the application.
- Designed and scripted the code to set registries on the application and used it to run before initializing the driver script within Selenium framework.

- Created scripts using Selenium WebDriver, TestNG, Cucumber framework and implemented Branching mechanism with proper code review and functional review stages with Pull Requests.
- Strong knowledge in Java with Object Oriented programming (OOPs) to write better reusable methods.
- Used all the Core Java OOPS concepts (Inheritance, Polymorphism, Abstraction, Encapsulation) and Collections while building framework.
- Writing the test plans, test cases, and test scripts.
- Acquiring Requirements from the Business Analysts, and Development teams.
- Converting Business Requirements and Design Documentation into Test Cases and Test Scripts.
- Developing test cases for various testing approaches.
- Automation experience with tools like Selenium (Java), SOAPUI, APPIUM MOBILE TESTING and other tools.
- Performed mobile app and mobile web testing for Android and iOS devices.
- Responsible for creating test scenarios for user stories and creating automation test suites using Selenium Web driver framework.
- Automation Selenium (Java), Tricentis Tosca & HP/Microfocus UFT on GUI & API layers
- Performed Mobile Testing using Appium on Android, IOS platforms. Tested Native, Web Apps on Real Devices and Emulators.
- Implemented a CI/CD pipeline with Jenkins, GitHub, Nexus, Maven, and AWS.

**Tech Mahindra, Pune, India**

**Client: One Main Financial, Evansville, TN**

**Sep 2016 to Aug 2021**

**QA Automation Engineer / Manual Tester**

#### **Roles and Responsibilities:**

- Created reports that included a general overview, open bugs, new bugs, and enhancement requests. Entered new bugs and maintained the status of those bugs.
- Responsible for maintaining relevant documents regarding requirements.
- Participated and organized weekly meetings and walkthroughs to improve the testing efforts.
- Worked closely with engineering team to discuss the design and testing aspects of the applications to design the test plans and to isolate the root cause of defects.
- Responsible for writing and maintaining Selenium Web Driver scripts for regression and functional testing using data driven framework.
- Performed functional testing, end-to-end testing, Regression Testing, and database validation for the web-based application.
- Developed, documented, and maintained test cases and other test artifacts like the test data and automated scripts.
- Created Java based scripts for Selenium WebDriver with TestNG as automation framework.
- Developed & maintained the test automation regression suite for release cycle.
- Analyzed test cases to identify the scenarios that can be automated using Selenium WebDriver with Java.
- Participated in meetings and walkthroughs and responsible for weekly status.
- Attended project meetings, release meetings, and QA status meetings.
- Performed all aspects of verification and validation including Functional testing, Unit Testing, System testing, Regression testing, structural testing, Performance, load, and Back-End testing manually.
- Prepared test plans, test cases and test scripts based on functional specifications/ requirements and performed Manual as well as automated testing.
- Developed test plan, test cases and test scripts in Test Director, after the requirements are signed off.
- Reviewed and Analyzed business requirement documents, technical requirements, and functional specification of various functionalities.
- Created detailed test plan and test cases from the Business Requirements.
- Created documents detailing the process for each of test scripts and scenarios each script performs.
- Performed Regression testing for the various modules of the application.