**VISHNU REDDY Madhav(PMP,CSPO)**

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**Senior Software QA LEAD ENGINEER**

*Expert in Manual & Automation Testing* ❖ *15-Year Record of Proven Results*

Experienced **Quality Engineering Lead** with a proven track record in leading and mentoring QA teams, developing and implementing robust quality assurance strategies, and ensuring the delivery of high-quality software products. Adept at designing and executing comprehensive test plans, including functional, performance, and automation testing. Skilled in defect management, performance and scalability testing, and ensuring compliance with industry standards and security requirements. Proficient in maintaining detailed documentation, reporting progress to stakeholders, and continuously improving QA processes. Strong collaborator, working effectively with cross-functional teams to integrate QA into the CI/CD pipeline and align with user expectations for enhanced product quality and customer satisfaction.

**Skills Summary**

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| --- | --- | --- |
| * SQA Testing & Methodologies * Test Plans, Cases & Processes * Functional Requirements * Scripting & Documentation * White box Testing | * Performance / Load / Stress Testing * UI & Compatibility Testing * Data Interface & Migration Testing * Regression & Negative Testing * Black box/Grey box Testing | * Testing Automation * Defect / Bug Tracking * Test Strategies & Coverages * QA & QC Standards * System testing |

**Technology Skills** *(Complete list on request)*

Selenium, HP Quality Center, HP Quick Test Professional, HP Site Scope, HP LoadRunner, Agile methodology ,Scrum, NodeJS, Java script, Segue Silk test, SiteScope, Siebel, SAP R/3, SAP BW, Java, C#.Net,VB.Net, SQL,SQL Server,ETL, XML, Rest API Services, Json, Windows, shell scripting, Linux, Unix, TOAD, Maven, Eclipse, Visual Studio .Net, Perforce, SVN, Mantis, HTTP, UDP, TCP/IP, Navis N4 TOS, , HTTP Client watch tool, Browser Stack, Postman, Google Analytics, Angular, Docker, React, Spring, jQuery, MS, Aws, Azure, Dockers and Kubernetes

**Professional Experience**

**Nasdaq –San Francisco, CA**

**Senior Lead QA Engineer 01/23 to Current date**

**Roles and Responsibilities**

* Developed Test plans, Test Cases, Test scripts with Jira bug tracking for Equity and Chix payment projects using Jira and zephyr test management tool.
* Performed regression testing and filed bugs with detailed steps to reproduce for Nasdaq payment Java applications.
* Developed and maintained automated test scripts using Selenium WebDriver with Java, covering functional, regression, and end-to-end testing.
* Led the implementation of Jenkins pipelines using Groovy DSL for CI/CD processes, ensuring seamless integration and deployment.
* Automated REST API testing using REST Assured and Postman, contributing to the delivery of high-quality API services.
* Designed and executed performance test scripts using JMeter and LoadRunner, identifying bottlenecks and optimizing system performance.
* Collaborated with DevOps teams to integrate automated testing into Docker and Kubernetes-based environments, improving testing efficiency.
* Provided mentorship and training to junior automation engineers, fostering a culture of continuous improvement and innovation.
* Lead QA activities for the implementation and maintenance of Fedwire payment systems, ensuring compliance with Federal Reserve requirements.
* Created automation scripts for java applications using Selenium Java.
* Deigned, executed and maintained selenium web driver testing(TestNg, Junit) automated test cases for regression test cases.
* Conduct API testing using Rest Assured to ensure functionality, reliability, and performance of services.
* Work extensively with data platforms, MDM solutions, and data pipelines to validate data integrity and processing.
* Develop and execute SQL queries for data creation and validation tasks.
* implement and manage ETL processes to ensure seamless data transformation and loading.
* Implemented OOPs concepts and created re-usable functions in the automation framework.
* Provide UAT demo for new features to different stakeholders and logged enhancements after discussions during agile sprint meetings.
* Tested sales force CRM for different views such as leads, opportunities, gross exposure, shares located check
* Tested Nasdaq Internal Artificial intelligence and Stock Exchange API's using swagger.
* Coordinated and performed thorough regression testing and API testing of multiple applications prior to releases.
* Worked on AWS cloud for resolving security vulnerabilities on cloud infrastructure.
* Configure, automated amazon web services as well as deployed the cloud platform on web services such as EC2, Lambda, CloudWatch. Inspector.
* Used GitLab for the CICD pipeline extensively and for maintaining the current state of repository.
* Managed multiple tasks and projects with frequently shifting priorities.

**Lam Research Corporation, Fremont, CA**

**Senior QA Lead Engineer 06/20 to 01/23**

**Roles and Responsibilities**

* Managed quality assurance activities for multiple projects, ensuring adherence to SDLC and quality best practices.
* Directed end-to-end integration testing efforts, coordinating with development and business teams to achieve testing goals.
* Delivered program level reports and presentations to senior leadership, providing insights and status updates.
* Implemented risk management strategies, proactively identifying and mitigating potential issues.
* Facilitated meetings and discussions, fostering collaboration and effective problem-solving.
* Developed test strategies, plans, and approaches, aligning them with project objectives and stakeholder requirements.
* Developed Test plans, Test Cases using Zephyr Test management tool with Jira bug tracking for Stem UI and Leaf applications.
* Created automation framework using Selenium Javafor Mint and leaf applications
* Implementing test processes on integrated system releases, writes test strategy and plans, oversee the writing of procedures and selenium Java automation Test scripts, and analyzes test results.
* Manage Web API testing project using SOA and Restful architecture and testing efforts with **Postman** API Tool.
* Created Database scripts in SQL server for database validation testing and execution of automation scripts for data driven testing
* Performed testing of **sales force** applications which includes leads, accounts, contacts
* Perform DB Validation Testing using MS Sql server
* Performed integration Testing on eidh managed tablet connected to EIDH server and perform validation on tablets in turn connected to sensi tools
* Provided UAT demo of new features to multiple stake holders in sprint review meetings

**Ports America-Alameda, CA**

**Senior QA Lead Engineer 06/14 to 02/20**

**Roles and Responsibilities**

* Created Test cases for web 2.0 and voyagertack2.0 by going through the functional requirements
* Created test data (Json) collections in Postman to test API calls for RESTful services.
* Transition to **Selenium Java**  Automation scripts for Webtams and VoyagterTrack web projects.
* Setup PTL environment for new project such as webtams, voyagertrack and scripted for all the modules in UFT 12.0 and LoadRunner.
* Collected performance counters after running M21 and Web projects.
* Develop and executed Mobile automation scripts using perfecto mobile tool.
* Coordinated with development and release management teams for delivering builds using Microsoft TFS and deploy to SQA, UAT, Demo servers.
* Involved in designing, testing web based applications connected to Navis N4 TOS and mobile applications on iOS and Android.

**CVS Health care -Irving Texas**

**Sr QA Engineerand UAT Tester 06/12 to 06/14**

**Roles and Responsibilities**

* Lead the testing efforts for RxCLAIM on AS400, ensuring system accuracy and compliance with healthcare regulations.
* Develop, execute, and maintain detailed test plans, test cases, and test scripts.
* Collaborate with developers and business analysts to identify and document system requirements.
* Perform functional, regression, integration, and user acceptance testing (UAT) on RxCLAIM.
* Utilize SQL for data validation and to query the AS400 database.
* Track and manage defects using Quality center, ensuring timely resolution.
* Document test results and provide comprehensive reports to stakeholders.
* Mentor junior testers and provide guidance on best practices in AS400 and RxCLAIM testing.
* Created Test cases and Test plans in CVS projects for **CVS health care** projects such as **CVS mail order**, cvs caremark, referral, prior authorization, eligibility, claims process and billing essentials.
* Perform Integration testing on CVS pharmacy initiative to combine a local and national claims processing system into one single platform.
* Manage requirements meetings with Health edge development team, Configuration team, testing and CVS health team to identify the issue and work towards closure.
* Perform regression testing sales force CRM ticket management system
* Wrote and entered SQL language in Benefits at a glance (BAAGS) chart templates Generated reports and performed data validation in SMART (CVS pharmacy )

**BIOCLINICA— San Francisco, CA Newark, CA**

**Senior Software Quality Assurance Tester**, 08/08 to 06/12

**Roles and Responsibilities:**

* **Created and executed automated software test plans, test cases and scripts** for synarc connect, web portal and study direct image workstation modules such as data entry, package entry, Image analysis Reading system, Image Loading, Image preparation and labeling and Image quality control.
* **Conducted formal and informal product design reviews** throughout the software development lifecycle to provide input on functional requirements, product designs, schedules and potential issues. Communicate effectively with software design team, quickly gaining their respect and becoming a valued, “go-to” team member on challenging test cases.
* Responsible for coordinating test data preparation and code movements into test, staging and production environments
* **Data validation** by writing SQL queries and utilities using SQL developer
* Create Manage, Update Document Specifications, Protocols and Test Results incompliance with FDA standards
* **Optimized QTP scripts for Regression testing** of the application with various data sources and data types
* Parameterized the fixed values in checkpoint statements, created data tables for the parameters and wrote functions for the parameters to read new data from the table upon each iteration to perform Data driven testing.
* **Designed and implemented automated testing tools and** programs addressing areas including database impacts, software scenarios, regression testing, negative testing, error bug/retests and usability.
* **Working as primary liaison and business,** QA and Development teams for major releases, subsequent patch testing and successful release of patches
* **Streamline Installation Qualification Test cases** and configuration Qualifications for 100% Test coverage of the study direct application
* **Re-engineered QA methodologies and processes** that resulted in establishment of complete traceability requirements and enhanced test quality
* Built components using maven and deployed study direct components in test, staging and production.

**Bank SERV — San Francisco, CA**

**QA Automation Team Lead ,**02/07 to 08/08

**Roles and responsibilities:**

* **Created Load Test scripts for Global Funds Exchange Projects** which include modules such as Create Payment, Verify Payment, Modify Payment, Create Template, Verify Template, Current date History and Reports
* Performed Load Testing and Identified Load bottlenecks for GFX and EPS projects
* Tested GFX app, bankserv mobile app and mobile check capture app on **windows mobile applications**
* **Documented Software defects** using bug tracking system and report defects involving program functionality, output, online screen and content to software developers
* Created Load Test Scripts according to the Test plan using HP Loadrunner, enhance per requirements and run scenarios.
* Created Load Test Goal oriented scenarios per business requirements and SLA.
* Recommended DBA in using materialized views and created indexes by date for faster database query Results
* Used Site scope and loadrunner to monitor jboss application server,apache tomcat web server and database server
* **Documented and performed hands on project planning**, auditing of system requirements, creation and certification of documentation, tracking progress metrics and defects through HP Quality Center
* Created Test plan and Test cases for GFX web SSO application
* **Created Regression Test scripts** for GFX web application using QTP
* **Mentored and trained team members** in Automation tools.
* **Delivered thorough QA testing** reports that determined product quality and release readiness.

**Ford MoTOR CREDIT — Dearborn, MI**

**SR QA ENGINEER**,03/04 to 02/07

**Roles and responsibilities:**

* **Created Performance Test** **scripts** for ford creditenterprise applications such as pinnacle account servicing ,pinnacle acap, dealer web reporting, account access, uvis, vrhub, online vehicle financing and fordcredit.com applications
* **Implemented scenarios** in SAP sales and distribution and Materials Management by connecting R/3 system to BW OLAP server
* **Created, updated and maintained Test cases** by reviewing System requirements and design documentation
* **Performance Testing** using load runner for all the core projects, mainframe debt manager using RTE protocol
* **Created Automation Regression Test suites** for pinnacle account servicing and pinnacle load **origination using QTP.**
* Actively participated in weekly meetings and coordinated Testing efforts with various Team Members

Education & Credentials

🎓 Masters in Information system(Central Queensland University)

🎓Bachelors in computer science (Bangalore university)

🎓Certified Scum Product owner Certification professional

🎓Project Management certification from project management institute