**Swathi Malathi**

**Lead QA SDET Engineer**

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**Lake Forest, CA**

**H1b**

**C2C Only**

**Can relocate anywhere in USA and ready to onsite from Day 1**

**Professional Summary**

* 14+ Years of experience in Agile, Manual and Automation Testing Domain.
* Test Plan Development: Design, develop, and execute comprehensive test plans, including security and performance testing.
* Bug Investigation: Investigate customer issues referred by technical support, test bugs, and manage bug reports.
* Design and Technology Evaluation: Propose and compare design and technology options with technical leads and participate in hiring and talent development.
* Prototyping: Lead proof-of-concept and prototyping efforts.
* Technical Communications: Handle technical communications and understand customer systems.
* Collaboration with Deployment Teams: Work with deployment teams to resolve system issues, coordinate product design, and provide input on the testability of functional elements and product designs.
* Reporting: Document all testing actions in daily and weekly reports.
* System Analysis: Analyze and break down software systems, coordinating with other teams to enhance overall design.
* Process Improvement: Research test tools, methodologies, and trends to upgrade existing practices and processes.
* Quality Management: Manage the final quality of production releases.
* Team Leadership: Lead cross-functional teams to improve process efficiency and product quality.
* Test Strategy Development: Develop and implement test strategies for complex software systems.
* Root Cause Analysis: Conduct in-depth root cause analysis to address quality issues and prevent future occurrences.
* Mentorship: Train and mentor junior team members on quality control best practices.
* Highly skilled and dedicated Software Development Engineer in Test (SDET) with over 14 years of experience in software development and testing.
* Familiar in programming languages such as Java and JavaScript with extensive expertise in test automation tools like Selenium and TestNG.
* Experienced in leveraging CI/CD tools like Jenkins along with version control systems such as Git, to streamline the testing and deployment process.
* Demonstrated experience in all phases of the Software Development Life Cycle (SDLC), including Analysis, Physical and Logical Design, Resource Planning, Code Development, Testing, Implementation, and Maintenance.
* A hands-on technology professional adept at navigating complex, project-based settings. Possesses extensive experience in functional testing, as well as in developing and maintaining test automation frameworks using Selenium (Java) and Cucumber (BDD).
* Recognized for excellent interpersonal and communication skills, technical competence, and a results-oriented approach, with strong problem-solving abilities and the capacity to work both independently and as part of a team.
* Proven domain expertise in SAP S/4HANA interfaces with a keen ability to identify and troubleshoot issues and improve testing processes.
* Excellent collaboration and communication skills, with a track record of working effectively with cross-functional teams to deliver high-quality software solutions on time and within budget.
* Well-versed in Agile methodologies and experienced with Waterfall methods. Proficient in testing Android and iOS mobile applications, including using simulators.

**Education**

* Bachelor of Engineering: 08/2010, PESIT – Bengaluru

**Technical Expertise:**

* **QA Automation:** Extensive experience in manual and automation testing of mobile applications (iOS and Android), as well as API and web services applications.
* **Backend and Front-End Testing:** Skilled in both backend and front-end manual and automation testing.
* **CI/CD Execution:** Experienced in executing tests within CI/CD environments.
* **SDLC/STLC Knowledge:** Excellent understanding and implementation skills in the complete SDLC and STLC.
* **Selenium WebDriver Framework:** Involved in designing and implementing Selenium WebDriver Automation Framework for smoke and regression testing using TestNG.
* **Cross-Browser Testing:** Experience with cross-browser and compatibility testing using Selenium Grid and TestNG.
* **Mobile Testing:** Hands-on experience with testing on iOS and Android platforms, using devices like iPhone, iPad, and Samsung.
* **Test Management:** Proficient with Test Link for test management.

**Technical Skills**

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| --- | --- |
| * Automated testing * Manual testing * Defect tracking. * Test planning. * Regression testing * Problem solving * Communication * Analytical thinking * Time management * JavaScript * Java * Charles Proxy * GitHub * Eclipse | * PgAdmin3 * Postman * Swagger * Databases * Jenkins * CircleCI * Jira * Selenium WebDriver * Confluence * Browser Stack * Quality Centre * Selenium * SDLC * STLC |

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* Jira
* Selenium Webdriver
* Confluence
* BrowserStack
* Quality Centre
* Selenium
* SDLC
* STLC

**Professional Experience:**

**Employer: Cuboid IT Solutions**

SAP – **Newport Beach, CA June 2021 – Till Date**

Lead QA SDET Engineer

**Responsibilities:**

* Setting up, maintaining, and performing test automation frameworks on multiple application platforms, specifically Web, and building test scenarios and acceptance tests
* Design, develop, and execute test plans including security and performance testing.
* Investigating customer problems referred to by the technical support team, testing bugs, and creating and managing bug reports.
* Propose and compare design and technology options with technical leads. Participate in hiring and developing talents.
* Developed and maintained API automation test scripts using Rest Assured for various microservices
* Performed Mobile Functional Testing and Automation for IMA app using Appium, Android Emulator & device and Selenium WebDriver with Java, TypeScript, Protractor and Cucumber
* Developed and implemented automated testing frameworks for Generative AI models, ensuring robustness, accuracy, and performance
* Created and maintained automated test cases and scripts, ensuring comprehensive test coverage
* Lead proof-of-concept and prototyping efforts.
* Implemented REST API testing framework from scratch, ensuring comprehensive test coverage for GET, POST, PUT, DELETE operations
* Designed test cases to validate AI-generated content, focusing on consistency, creativity, and adherence to specified guidelines
* Handling technical communications and understanding the customers systems
* Working with deployments teams, resolving level issues for systems, coordinating on product design, and offering inputs on the testability of functional elements and product designs
* Noting all testing actions performed in daily and weekly reports.
* Implemented mobile test automation for Android and iOS platforms using Appium, ensuring compatibility and performance across multiple devices.
* Performed UI Automation using Katalon Studio with Selenium, Appium, TestNG and Cucumber
* Utilized tools like Pytest and Selenium to develop and maintain automation scripts for functional, regression, and performance testing
* Developed and managed CI/CD pipelines using tools like Jenkins, GitLab CI, and Azure DevOps to automate build, test, and deployment processes.
* Utilized core Java extensively for developing automation scripts, focusing on robust, maintainable, and scalable code
* Researching test tools, methodologies, and trends and upgrading existing practices and processes
* Applied Object-Oriented Programming (OOP) principles to enhance code reusability and maintainability in test automation projects.
* Mentored junior QA engineers in Java programming best practices, improving the overall quality and maintainability of test automation code
* Led cross-functional teams to improve process efficiency and product quality.
* Developed and implemented test strategies for complex software systems.
* Conducted in-depth root cause analysis to address quality issues and prevent future occurrences.
* Trained and mentored junior team members on quality control best practices.
* Kept scripts and test cases updated with current requirements.
* Built automated test scripts to handle repetitive software testing work.
* Operated under Agile and Scrum frameworks to complete releases and well-organized sprints.

McGraw-Hill Education Inc. – **Irvine, CA September 2014 – June 2021**

Senior QA Analyst

**Responsibilities:**

* Experience as a QA Automation Engineer, extensively worked on Manual and Automation testing of mobile, API of Webservices applications.
* Experience in Backend and Front-End manual and automation testing.
* Experience in execution on CI/CD environment.
* Integrated Rest Assured with TestNG to execute and manage automated API test cases
* Excellent knowledge and implementation skills in complete Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC)
* Involved in design and implementation of Selenium WebDriver Automation Framework for Smoke test and Regression test using TestNG.
* Designed and executed test cases for API testing using SOAP UI and RESTful services
* Experience in testing mobile (Android) applications using Appium and Selenium WebDriver
* Employed Python-based scripts to automate the verification of AI outputs, significantly reducing manual testing efforts and increasing test coverage
* Implemented infrastructure as code (IaC) practices to manage test environments and infrastructure
* Developed and Executed Test Scripts using Selenium WebDriver, TestNG, analyzed Test Results and created Defects.
* Collaborated with developers to identify and resolve API-related issues, enhancing API reliability and functionality
* Automated the evaluation of AI model performance metrics, such as precision, recall, F1 score, and ROC-AUC, ensuring high standards of model accuracy and reliability
* Experience with Cross-Browser and Compatibility Testing using Selenium Grid and TestNG to test whether the web applications are working as desired in different browsers and environments.
* Mentored junior QA team members to improve testing processes and execution efficiency.
* Designed and implemented automated testing framework, reducing manual testing e orts by 50%.
* Led cross-functional teams to successfully deliver high-quality products on schedule.
* Leveraged Pytest and Selenium for writing and executing automated tests, ensuring high-quality software releases
* Developed and executed comprehensive test plans to ensure product scalability and stability.
* Experience in Waterfall and Agile Projects, worked very closely with Product owners in Agile and attended different ceremonies like Sprint Planning meeting, Scrum, Backlog grooming, Sprint Review and Retrospective.
* Designed and implemented mobile automation frameworks using Appium for both Android and iOS platforms
* Collaborated with developers and product owners to stay current on product features and intended functionality.
* Leveraged Core Java to develop robust and efficient test automation frameworks for web, API, and mobile applications
* Complete in-depth usability testing on Windows, Android, and iOS mobile devices
* Complete automation of functional and regression testing.
* Utilized Java’s Object-Oriented Programming (OOP) principles to design reusable test components, reducing maintenance overhead
* Established company automation methodology, frameworks, and tools.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* Good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team.

Compuware Corporation, **Detroit, MI November 2013 – September 2014**

Quality Assurance Analyst

**Responsibilities:**

* Conducted in-depth testing of software products to ensure performance and functionality.
* Developed and executed test cases, scripts, and plans to validate software products.
* Collaborated with cross-functional teams to identify and resolve quality issues.
* Utilized automated testing tools to streamline processes and improve efficiency.
* Handling Manual and Automation Testing tasks as a QA Analyst
* Direct interaction with Client, Developers and Business in all the QA phases.
* Hosting calls for conducting the requirement, test cases, test plan and test strategy walkthroughs Involved in Requirement gathering from business and get the requirement approvals.
* Understanding the Functional Requirements specified in Business Requirement Documents
* Preparing the high-level estimations, creating high level and low-level design documents
* Experience on Selenium for the same project.
* Creating automation scripts for new features and maintaining automation suite. Involved in Smoke testing and End to End testing.
* Involved in Mobile Testing on iOS and Android platforms with hands on experience on iPhone, iPad, and Samsung devices.
* Performed GUI, Functionality, and Regression Testing on new build.
* Performed backend testing using SQL Queries to compare the data from the application.
* Experience in Test Link tool for Test Management.

iGATE**, Somerset, NJ August 2010 – November 2013**

QA Lead,

**Responsibilities:**

* QA team in developing test strategies for complex software projects.
* Streamlined testing processes to improve efficiency and accuracy of test results.
* Coordinated with stakeholders to prioritize and resolve critical testing issues.
* Mentored team members in implementing best practices and ensuring high quality deliverables.
* Collaborated with developers and product owners to stay current on product features and intended functionality.
* Complete in-depth usability testing on Windows, Android, and iOS mobile devices. Complete automation of functional and regression testing
* Established company automation methodology, frameworks, and tools.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* Good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team, Complete ownership of the project deliverables.
* Assigning the project tasks to team members and monitoring of the assigned tasks. Co-ordination with Client and Project manager for status reporting
* Experience in Waterfall and Agile Projects, worked very closely with Product owners in Agile and attended different ceremonies like Sprint Planning meeting, Scrum, Backlog grooming, Sprint Review and Retrospective
* Review of project tasks completed by team members.
* Review of test cases in Quality Centre
* Raising the issues and risks of a project at the right time
* Proper resource utilization
* Coordinating with other teams working on the same project
* Preparing the high-level estimations, creating high level and low-level design documents
* Experience on tools like Quality center, QTP, Share point and SVN.