Ankit Singh
Senior Test Automation Engineer at EPAM Systems

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WORK EXPERIENCE SUMMARY

Results-driven automation test engineer with **5 years** and more experience of developing and executing automated testing frameworks for software applications. Skilled in programming languages such as Java with extensive knowledge of testing methodologies and tools such as **Selenium, Rest Assured, Postman, Soap UI and TestNg**, **Jenkins, Bitbucket**. Proven track record of identifying and resolving complex technical issues, improving software quality, and enhancing team productivity. Excellent communication and collaboration skills, able to work effectively with cross-functional teams to ensure successful project delivery. Seeking an opportunity to leverage my expertise in automation testing and passion for delivering high-quality software products.

OVERVIEW

- Experienced in **Automation testing** of Web application/API testing using **Java**, **Selenium WebDriver and Rest Assured.**
- Experienced in API testing using **Postman, Soap UI** and Using **Splunk** in testing APIs
- Knowledge in **DevOps CICD** pipeline (Jenkins tool).
- Experience in using Keyword Driver, TestNG and Hybrid Framework.
- Sound knowledge on TestNG framework for Unit/Regression testing & used Maven for project building tool, Git Desktop for source code repository management.
- Knowledge of BDD using Cucumber tool.
- Experience in automating MySQL, Neteza DB and Validating the DB with the API response.
- Experience of working in **Agile environment**.
- Hands on Experience in using **Selenium WebDriver, Core Java/Java 8 Features, IBM RQM & RTC, Rational ClearQuest, Share Point, JIRA, Postman, Soap UI, Bitbucket, Jenkins, Splunk**
- **Trained in Python during Infosys Training**
- Clear understanding of software development life cycle and testing methodologies.
- Strong problem solving and effective communication skills.

SKILLS

- Programming languages: Java
- Automation tools: Selenium, Rest Assured, Postman
- Query Language: SQL
- Webservice Automation: HTTP Methods, Postman, Soap UI, Swagger, Rest Assured.
- Testing Frameworks: Keyword driven, Data Driven, Hybrid, TestNg based POM Framework, BDD Cucumber
- Build Tool: Maven
- Collaboration Tool: Bitbucket, GitHub

Past PROJECT DETAILS

Epam Systems - 08/2023

- Results-driven automation test engineer with 5 + years in developing and executing automated testing frameworks for software applications
- Previously Worked in testing applications related to Finance and Healthcare sector

DBRS Morningstar - 12/2021 - 07/2023 - Credit Ratings Agency (Finance Domain)

Rating's Management Platform- Application used by credit rating Analyst to maintain and record information related to creditworthiness of Individuals, companies and Sovereigns.

Responsibilities:

- Developed an automation regression suite from scratch thereby reducing the manual efforts by 70%.
- Played a crucial role in enhancing the application's overall stability, resulting in a substantial impact. Notably, our efforts led to a significant reduction in production issues for a legacy feature – from 20-40 incidents weekly to zero – consequently elevating application stability and enhancing user experience.
- Thoroughly grasped essential business domains and successfully delivered mission-critical features through close collaboration with developers, business analysts, and key stakeholders
- Made significant contributions by spearheading key organizational initiatives, including testing ESG features and establishing a new environment for disaster mitigation and business continuity planning (BCP).
- Upgraded the Automation Framework to precisely align with the specific demands of the Business Unit, resulting in heightened operational efficiency and effectiveness.
- Created Automation utility scripts to reduces everyday manual tasks for multiple teams.
- Proactively worked with Product Owner and Scrum Master to understand the requirements and Manage Timelines for the scrum team.
- Coordinated in Triages to streamline deliveries with the Developer, product and business users.

Infosys (05/2018-12/2021)

Leading US Healthcare - (Chat Bot Testing)

Integration with Alexa Skill- Alexa skill was developed to enable users to obtain policy information and other healthcare related jargons via interactive chat bot provided by Alexa. After this, the users could use their voice to know information like who their health care provider is and also understand their health care policy jargons easily with the help of Alexa.

Responsibilities:

- Enhance the Automation framework using Selenium, TestNG and Maven with custom Reporting functionality to enable a chat bot automation framework.

- Lead onshore and offshore QA's to manually test Alexa Mobile Apps on Android and IOS, echo dots and echo show.

- Analyzed the manual test scenarios before testing in each Sprint and preparation of Automation Test Plan.
- Managed **3500+ automation test cases, 300+ manual test cases** on RQM and updated the daily status report with the client on its progress.

- Identifying risks, mitigating issues where ever possible and prioritizing all tasks that could help deliver a shippable product at the end of every sprint.
- Around **2400+ defects** were logged using Auto defects logging feature in RTC.

Leading US Healthcare - (API testing and UI Testing)

Responsibilities:

- Worked on multiple enhancement of framework to enable smooth execution of automation cases of web services.
- Proactively work with the Business, Developers and Architect to close outstanding business requirements.
- Led **Core Automation Team** to encourage new automation ideas and maintained a centralized document and repository.
- Volunteered for team Education session to enable team members in re skill in areas of selenium and service-based testing.
- Design QA test cases and maintain it in RQM.
- Identifying possible regression test cases from each sprint and updating the existing regression suites.
- Share the Automation Reports for each application on daily basis and maintenance of existing Automation Suites.

TOOLS DEVELOPED

- **RQM Script Uploader:** This is a selenium-based automation tool to create test cases and test scripts on RQM. This tool saved a lot of manual efforts by enabling team in creating test cases in RQM in bulk via automation.

- **RQM-RTC Story Linking Tool:** This is a selenium-based automation tool to link RTC stories with the RQM Test Case. Test cases executed had to be linked with respective stories every sprint and this enabled teams in weekly compliance.

- **RQM Subtest Type Tool:** This is a selenium-based automation tool to update the sub test type, project details and release date of every executed test cases. The details were a critical client requirement for tracking purposes and teams were spending effort and time.

- **Splunk UI Automation:** Created a framework enhancement using Java Selenium to validate the logs populated in Splunk.

- **Splunk Rest API Automation:** Created a framework enhancement using Java to fetch logs from Splunk using Rest API endpoint. Funding from client was received to work on this piece of work.

- **Email Automation:** Created a framework enhancement using Java EWS to search email from mailbox using subject line and validate the contents/attachments. The solution was useful to fetch OTPs on email while testing Amazon Alexa.

- **Database Automation:** Framework enhancement to validate SQL response and API response using Java. The automation keyword could also validate the primary and foreign key constraints.

- **Doc Creator:** Test Result documents had to be created manually after every test case execution manually. This consumed lot of manual effort and time. The automation solution eliminated the need to manually create test result documents. The tool was demonstrated at Education series held at client forums.

- **Email File Processor:** Attachments sent over emails had to be processed to support E2E teams. This created a roadblock in performing Scrum level testing as lot of time was occupied in supporting E2E teams. The tool automated the process of downloading the attachments from the email and sending it to the Server location or pushing it into the MQ and sending an automated email response after files gets processed.

CERTIFICATES AND ACHIEVEMENTS

1. Completed the Infosys Certified Java Automation Tester certification.
2. Completed the Infosys Certified DevOps Professional certification.
3. Completed the Infosys **SDET** certification program.
4. Member of Infosys Platinum DQ club: Top 2% percentile employees having high exposure to Digital Projects and relevant certifications get entry into the project.
5. Part of Infosys ACEP group: Received promotion within 2.5 years of experience to recognize my consistent performance.

EDUCATION

Degree: B-Tech in **Computer Science and Engineering**
College: Narula Institute of Technology, Kolkata
Score: 8.55 CGPA
Year : August 2013 – November 2017

PERSONAL INFORMATION

Date of Birth: 14th September 1994
Marital Status: Unmarried
Languages Known: English and Hindi