Urvashi Singh

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Automation Test Engineer with 4.2 years of experience at Tata Consultancy Services, skilled in test automation using Selenium with Python, Robot Framework, and API testing. Proficient in Agile, CI/CD, JIRA, Git, and Jenkins. Experienced in optimizing test scripts, enhancing coverage, and improving software quality to enable faster releases and efficient testing.

SKILLS

- **Languages**   : Python, SQL
- **Testing Tools**   : PyCharm, Selenium WebDriver, RIDE, JMeter
- **Frameworks**   : Selenium, Robot Framework
- **CI/CD Tools**   : GitHub, Jenkins, Docker
- **Web Browsers**   : Chrome, Microsoft Edge
- **Other Tools**   : Postman, Requests (Python) for API automation, JIRA, qTest
- **SDLC Models**   : Agile SCRUM, Waterfall Model
- **AI-Assisted Development**: GitHub Copilot (GenAI) for enhanced automation scripting

EXPERIENCE

Automation Test Engineer
Tata Consultancy Services Ltd

Project Name	:	RBC Insight (Royal Bank of Canada)	*Aug 2022 – Present*
Platform	:	Java 17, Spring boot	
Test Automation	:	PyCharm, Selenium, Robot framework, RIDE	
Responsibilities	:		

- Designed and implemented test automation frameworks using Selenium, Robot Framework and python scripting.
- Automated 90% of regression test cases, reducing testing time by 30%.
- Managed and mentored 2 junior team members, improving productivity.
- Developed and optimized test scripts, performed SQL database validations, and shared detailed reports with stakeholders.
- Conducted volume testing with 100 user threads to assess system performance under load.
- Integrated and executed automation scripts via CI/CD pipelines to ensure continuous delivery of quality builds.

Project Name	:	MUNI DSS (Royal Bank of Canada)	*March 2021 – July 2022*
Test Automation	:	Robot Framework, Python, RIDE	
Responsibilities	:		

- Automated web and desktop applications using Robot Framework, Selenium, PyAutoGUI, and pywinauto, improving test efficiency.
- Implemented data-driven testing via pandas and openpyxl, leveraging DataFrames for efficient Excel data processing and validation.
- Developed and executed 100+ API test cases using Requests (Python), improving defect detection by 30%.
- Collaborated with developers to identify and resolve defects, reducing critical issues in production by 60% and ensuring seamless application functionality.

PROFICIENCY

- Comprehensive exposure in different levels of testing (Integration, System, Acceptance, Smoke, Regression, Responsive and Compatibility) with a strong focus on automation testing following Agile methodology.
- Proficient in leveraging AI-driven prompts (Github Copilot) for test case generation, script optimization, defect analysis, and automated test documentation to enhance software testing efficiency.
- Good relationship management skills, confident, quick learner and adaptive for new work environment and people.
- Proficient in applying analytical skills to troubleshoot, analyze, and resolve technical issues, with a strong focus on problem-solving.

CERTIFICATIONS & COURSES

- **Generative AI in Automation Testing**

Overview: Leveraged Generative AI tools to enhance test automation efficiency, including automated test case generation, script optimization, and intelligent bug detection.

- **Automated Software Testing with Selenium and Java**

Overview: Offers a detailed introduction to Selenium WebDriver and Java, including practical examples and test automation strategies.

AWARDS & ACHIEVEMENTS

- Recognized for outstanding performance in developing and executing automated scripts using Selenium WebDriver, leading to a 20% reduction in bug incidence and receiving the 'Employee of the Month' award for exceptional contribution to software quality.
- Played a key role in the team awarded the Best Team Award for integrating automated tests into the CI/CD pipeline, decreasing build validation time and accelerating release schedules.

EDUCATION

Bachelor of Technology (Information Technology)   *July 2016 - Sept 2020*
APJ Abdul Kalam Technical University, Lucknow UP   **76.05%**

PERSONAL DETAILS

- **Date of Birth:** March 12, 1998
- **Languages Known:** English, Hindi and Marathi