SHIVANSH KUMAR

Automation Test Engineer

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Professional Summary

4+ years of hands-on experience in QA automation testing with international exposure. Specialized in test framework development using Selenium, Robot Framework, and Azure DevOps CI/CD.Proven expertise in testing different applications, enhancing test stability, and reducing execution time through scalable automation strategies.

Education

Kalinga Institute of Industrial Technology (KIIT) University   **Graduated: 2021**
Bachelor of Technology (B.Tech) in Computer Science and Engineering   *CGPA – 8.18/10*

Technical Skills

Test Automation Tools	: Selenium WebDriver, Robot Framework, POSTMAN
Programming/Scripting	: Python
Build/CI Tools	: Azure DevOps (Pipelines, Repos)
Web Development	: HTML, CSS, API
Test Management	: Azure DevOps (Test Plans, Boards, Dashboard, Wiki)
Testing Frameworks	: Page Object Model, Data Driven Framework
Testing Types	: Functional Testing, Regression Testing, User Acceptance Testing, Integration Testing, API Testing
Tools	: BrowserStack, Pycharm, VS Code, Git
Methodologies	: Agile, SAFe Agile, SDLC, STLC

Professional Experience

Tata Consultancy Services (Client: Ernst & Young)   **2021 – Present**
QA Automation Tester   *Budapest, Hungary*

- **IAM OneAccess (SailPoint):** Spearheaded UI automation for 8+ modules using Robot Framework, integrating test execution pipelines into Azure DevOps for robust CI/CD. Enhanced test stability and speed by adopting Robot Framework's Playwright-based Browser library and introduced BrowserStack for video recording of test executions. Actively contributed to SAFe Agile Program Increments (PIs), leveraging Azure DevOps Wiki for knowledge sharing and Dashboards for transparent tracking of test coverage, automation progress, and results.
- **IAM OneAccess – GLMS:** Drove automation of critical Identity and Access Management modules, focusing on end-to-end testing of Group Management to bolster Governance, Risk, and Compliance (GRC) through precise access provisioning.
- **IAM OneAccess – GROUP ID:** Orchestrated and executed the testing roadmap for seamless group migration from QA to Production, ensuring successful transitions and adherence to stringent compliance standards.
- **IAM OneAccess – Self-Service Management Tool:** Engineered comprehensive test plans and scalable automation strategies for functional and UI testing across diverse group types, significantly improving framework maintainability.
- **Global Vulnerability Management (GVM):** Led the development and implementation of an upgraded regression and integration testing strategy, streamlining automation processes to enhance security posture and expand vulnerability detection coverage.
- **Extended Security Orchestration, Automation, and Response (XSOAR):** Architected and managed test strategies for UI and email-based automation, performing secure testing in high-risk environments using on-prem VMs integrated with Azure DevOps CI/CD pipelines for continuous regression.
- **Global Risk Compliance (GRC):** Automated UI testing for 10+ key regulatory risk modules using Robot Framework, implementing execution recording for enhanced traceability. Contributed significantly to test strategy and planning, improving audit compliance and quality assurance.

Core Automation & QA Excellence:

- Authored, executed, and meticulously documented comprehensive Test Cases, Scenarios, and Scripts for both manual and automated testing, delivering actionable Test Reports.
- Designed, built, and maintained a modular, scalable Page Object Model (POM) automation framework, significantly enhancing script reusability and maintainability.
- Played a pivotal role throughout the SDLC and QA Life Cycle, championing software quality, functionality, usability, and reliability.

- Proficiently developed robust automation scripts for web and client-server applications using Selenium WebDriver and Robot Framework.
- Leveraged Azure DevOps extensively for version control, test management, CI/CD, Wiki documentation, and Dashboard reporting, fostering team productivity and project alignment.
- Effectively communicated testing outcomes, plans, and progress to stakeholders using Microsoft Office Suite, ensuring transparency.

CI/CD & Test Automation Tooling Enhancements

- Architected and optimized scalable Azure DevOps CI/CD pipelines for reliable automated test execution across multiple IAM and security-focused projects, enhancing deployment frequency and stability.
- Led the strategic transition from Selenium to Robot Framework's Playwright-based Browser Library, achieving significant improvements in test execution speed (e.g., 40–50% faster), stability, and modern browser compatibility.
- Implemented parallel test execution using Pabot, dramatically reducing overall test suite execution time (by up to 50%) for large-scale regression.
- Integrated BrowserStack with Azure DevOps pipelines, enabling robust cross-browser testing and video-recorded executions to enhance defect traceability and multi-platform validation.
- Leveraged Robot Framework's built-in execution recording to generate comprehensive video logs, improving auditability and streamlining debugging processes.
- Automated the generation of test documentation post-execution using Robot Framework, streamlining QA reporting and enhancing communication efficiency.
- Developed Python scripts to automate CSV validation and processing of bulk test data, bolstering the capabilities of data-driven testing frameworks.
- Engineered email automation flows for OTP validation, ensuring secure and dynamic authentication testing within critical regression and functional workflows.
- Designed and implemented reusable YAML pipeline templates in Azure DevOps, standardizing CI configurations and promoting consistency and maintainability across diverse QA modules.
- Developed and customized Azure DevOps Dashboards to provide real-time insights into test coverage, pass/fail trends, execution metrics, and team KPIs, enhancing project visibility and data-driven decision-making.
- Authored and maintained comprehensive CI/CD process and test strategy documentation within Azure DevOps Wiki, fostering knowledge sharing and improving cross-team collaboration and onboarding efficiency.

Certifications and Awards

- **ICT Summer Training Certification in Machine Learning** – Issued by ICT Academy, IIT Kanpur (Completed: 2019)
- **Robotic Process Automation Developer in UiPath** – Issued by Edureka (Completed: 2022)
- 🥇 **Special Initiative Award** – Received 4 times for outstanding contributions to QA process improvements and innovation initiatives.
- 🏆 **Service and Commitment Award** – Honored for consistent dedication, reliability, and excellence in delivering high-impact projects.
- 👥 **Best Team Award** – Recognized as part of a high-performing QA team for collaboration, delivery excellence, and cross-functional impact.
- ⭐ **Star of the Month Award** – Awarded twice for exceptional performance, ownership, and timely delivery of automation enhancements.