DIGENDRA KUMAR SAHU

Senior Quality Assurance Engineer - SDET

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Dynamic Senior Quality Assurance Engineer with 5+ years of experience in manual + automation testing across web, mobile, and APIs, focusing on delivering high-quality software solutions across various platforms. Aiming to drive quality at speed by delivering reliable, maintainable automation solutions that reduce release cycles and elevate product standards.

Core Competencies

- Automation Framework Development
- Web, Mobile & API Automation
- End-to-End System Testing
- Quality Assurance & Process Imrovement
- Test Planning & Strategy
- CI/CD Integration & Shell Scripting
- Agile & Scrum Practices
- Cross-Platform Compatibility Testing
- Performance Testing
- Collaboration & Communication

Technical Skills

- **Test Automation & Frameworks:** Selenium, Appium, TestNG, Xunit & NUnit, Cucumber, Specflow
- **Programming Languages:** Java, C#, Python, Shell, sql
- **API Testing:** Postman, Rest Assured, Swagger, RestSharp
- **CI/CD & DevOps:** Azure DevOps, GitLab CI CD, Docker
- **Agile & Test Strategy:** Test Plan, Test Estimation, Quality Metrics, Defect Tracking, Test Strategy
- **Tools:** Jira, BrowserStack, JMeter, adb, xcode

Certification

Microsoft Certified: Azure Fundamentals
Issued by: Microsoft
Date: 31 May 2022 ·
Credential ID: 1287-2946

Profile Summary

- SDET-2 with 5+ years of experience in **automation testing, framework development**, and **Agile team collaboration** across organizations like AirAsia and L&T Technology Services.
- Built a mobile automation framework from scratch at AirAsia, automating 100+ test cases, earning the **"Automation Champion" award**.
- Skilled in **API testing**, **CI/CD integration**, **performance testing**, and developing robust alert and reporting systems.
- Experienced in using tools like **JIRA**, **Browserstack, LambdaTest**, and adopting early-stage **AI-driven testing approaches**.
- Skilled in **test planning, strategy execution**, and working cross-functionally to ensure product quality in fast-paced environments.
- Microsoft Certified in **Azure Fundamentals**, with a keen understanding of release cycles and deployment.

Work Experience

SDET-2 | Airasia MOVE, Bengaluru (Remote) | **Nov 2022 – Present**
Key Responsibilities:

- Leading automation efforts for both web and mobile platforms using Java, Selenium, Appium, and TestNG.
- Designed and implemented a BDD framework (Cucumber-Java-Appium) from scratch to accelerate mobile test automation.
- Integrated automation suites with CI/CD pipelines via GitLab.
- Conducted API testing using Rest Assured and Postman, ensuring back-end service reliability.
- Built a QA dashboard platform using JavaScript, Vue.js bindings, and Bootstrap 5 to consolidate test case status, pass percentage, and reports across multiple teams—enhancing visibility and tracking of QA progress.
- Participated in Agile ceremonies including sprint planning, grooming, retrospectives, and daily stand-ups.
- Developed an in-house alert management system using shell scripts to notify stakeholders of test failures through Workplace Chat.

Key Achievements:

- Automated 100+ test cases covering core business flows, reducing manual testing efforts.
- Improved test efficiency using parallel execution on Selenium Grid, BrowserStack, and LambdaTest.
- Recognized with the *Automation Champion Award* for achieving 80%+ automation coverage and enabling full regression/sanity checks on the Android platform.

SDET | L&T Technology Services, Mysore | **Feb 2021 – Nov 2022**
Key Responsibilities:

- Developed automation frameworks for multiple healthcare clients (Baxter and Hillrom) using C#, Selenium, and RestSharp.
- Created a SpecFlow-based BDD framework for web application testing from scratch.
- Led API automation efforts using Postman and Swagger for validating RESTful endpoints.
- Executed performance testing using JMeter and validated data flow using RabbitMQ.
- Prepared comprehensive test strategies and planned QA activities to align with business goals.
- Set up custom reporting dashboards using Extent Reports and SMTP for automated result sharing.

Key Achievements:

- Automated over 100 test cases in under 4 months for Hillrom's digital solutions.
- Received multiple awards (*Stellar Award*, *Spot Award*, and *Star of the Month*) for consistent delivery quality, innovation, and proactive ownership.
- Contributed to robust test coverage and early defect detection in critical health-tech platforms.

Freelance Experience

Self-Employed | Remote | Aug 2019 – Feb 2021

- Built a Python-based student performance tracker with automated email reporting.
- Developed a .NET portfolio tracker with Azure CI/CD for real-time capital gains/loss tracking.
- Supported cloud migration, web hosting, and performance optimization for multiple clients.
- Created responsive front-end apps using HTML, CSS, JavaScript, and Bootstrap.

Education

SRM Institute of Science & Technology May 2016 - May 2020
Bachelor of Technology | Information Technology

Awards and Highlights

- **MOVE Townhall Recognition – Automation Champion**
  Airasia MOVE · Aug 2024
  Recognized for automating 50+ test cases in the Stays group, achieving 80%+ web automation coverage, and implementing end-to-end sanity testing for the Android app.
- **Spot Award of the Month**
  L&T Technology Services · Feb 2022
  Awarded for excellent performance and high-quality deliverables.
- **Stellar Award**
  L&T Technology Services · Nov 2021
  Honored for unmatched work standards, innovation, and dedication.
- **Star of the Month**
  L&T Technology Services · Sep 2021
  Recognized for outstanding performance and timely, quality deliverables in August.

Personal Details

Languages Known : English, Hindi
Date of Birth : 11/08/1999
Address : Bengaluru, India