Lahari Sanku

Quality Assurance Analyst

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PROFESSIONAL SUMMARY

Results-driven Quality Assurance Analyst with around 3 years of experience in software quality assurance, specializing in test planning, test execution, and defect management for Web and Mobile applications. Proven track record in executing test cases for daily content and corrective changes, collaborating with developers, designers, editorial, and intake teams, and supporting digital build and deployment activities. Adept at manual and automated testing with a focus on accessibility compliance, root cause analysis, and issue resolution. Skilled in JIRA, Confluence, Scrum, and content management systems. Strong in automation using Selenium with Java and Python, API testing, and performance analysis. Recognized for initiative, independence, and excellent communication and problem-solving skills.

TECHNICAL SKILLS

Testing Expertise:	Test Planning, Test Design, Test Case Execution, Mobile and Web Testing Performance testing, API and DB testing, Cross-Browsing testing, and Unit testing Accessibility and Regression testing, Content Validation and Defect Management
Automation Tools:	Selenium, WebDriver IO, Cucumber, TestNG, JMeter, Appium, Zephyr, NVDA, RESTAPI
Programming & Scripting:	Java, Python, C#, R, PHP, PowerShell.
Technologies:	Web Technologies (HTML, CSS, JavaScript), Machine Learning, Cloud Computing.
Content & Deployment Platforms:	Git, GitHub, Jenkins, AEM, Adobe Target
Databases:	MYSQL, SQL, Oracle.
Cloud & Infrastructure:	Azure, AWS, Linux, Windows.
Development Tools:	Visual Studio Code, Postman, Eclipse.
Agile/Scrum:	Jira, Confluence, Kanban, Trello.
Analytics & Reporting:	Google Analytics, Adobe Analytics, Power BI, Tableau, Excel

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PROFESSIONAL EXPERIENCE

Quality Assurance Analyst   **Aug 2022 – May 2024**

Deloitte (Client: United States Department of Agriculture and Kroger)

- Conducted system testing for IT solutions, ensuring USDA FNS compliance and reducing data entry errors by 95%.
- Developed and maintained automated UI tests using Selenium and WebDriver IO, ensuring stable front-end performance.
- Identified and prioritized test scenarios to ensure thorough coverage of features and functionality.
- Automated 85% of regression and functional test cases, reducing manual testing time significantly.
- Executed manual and automated test cases to validate software functionality, performance, and usability.
- Used Charles Proxy to intercept and analyze API requests, simulate different network conditions, and validate API response handling test automation
- Conducted mobile application testing for Android and iOS platforms using Appium and Espresso across 10+ mobile devices, ensuring compatibility and performance.
- Contributed to CI/CD pipeline integration using Jenkins and GitLab, automating deployments and ensuring faster, more reliable releases by reducing deployment time by 40%.
- Implemented performance and load testing using JMeter, optimizing application scalability and response times.
- Developed and executed API automation test scripts using Postman and Rest Assured, improving API reliability and response validation.
- Performed functional testing to ensure that business requirements were met across various application modules.
- Conducted unit testing to verify individual components and modules, improving code reliability before integration.
- Utilized Python and SQL in test automation by developing scripts for data validation, automating repetitive testing tasks, and enhancing API and database testing efficiency.
- Conducted post-implementation testing and supports clients with user acceptance testing (UAT).
- Conducted accessibility testing using NVDA and AXE tools and ensured to improve user inclusivity.

- Executed regression testing to ensure the latest changes did not impact existing functionalities and end-to-end testing to validate entire workflows from start to finish.
- Identified and troubleshot application issues, performed root cause analysis, and ensured swift resolutions to blockers.
- Executed daily content validations and corrective change test cases for digital platforms, ensuring timely and quality releases.
- Led defect management by identifying, documenting, and tracking software defects using Jira.
- Collaborated cross-functionally with developers, editorial teams, design, and intake stakeholders to support agile delivery.
- Actively participated in Agile Scrum processes, provided technical insights during sprint planning and backlog grooming, and ensured alignment with product goals.

Product System Analyst Intern   **Jan 2022 – July 2022**
   Cognizant

- Assisted in Python-based automation testing for Web and Mobile applications.
- Developed and executed API tests using Postman, improving response validation accuracy.
- Conducted end-to-end test case validation and cross-browser testing.
- Executed and maintained existing automated tests for web applications, gaining experience in cross-browser and functional testing.
- Gained hands-on experience in the software development life cycle (SDLC), including testing and defect tracking.

PROJECTS

Automating an E-commerce Website Using Selenium and POM
- Developed an automated testing framework using Selenium and the Page Object Model (POM) to validate the functionality of an e-commerce platform.
- Implemented test cases to verify product search, add-to-cart, checkout, and payment functionalities.
- Integrated HTTP debugging tools like Charles Proxy for network traffic analysis and security testing.
- Enhanced automation efficiency by implementing reusable test components and continuous integration with Jenkins

Technologies: Selenium, Java, POM, Charles Proxy, Jenkins, TestNG

Case Study: How does a bike-share navigate speedy success? Using Data Analysis
- Conducted comprehensive analysis of Cyclitis's rider data to convert casual riders to annual members.
- Utilized data cleaning, analysis, and visualization steps using R and Power BI to uncover actionable insights.
- Delivered a decision-making framework leveraging analytical strategies and tools.

Technologies: R Programming, Power BI, Data Analysis
Project Repo: https://github.com/Lahari121/Google-Data-Analytics-Capstone-Project

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CERTIFICATIONS
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- ISTQB Foundation Level (in-progress)
- Professional Scrum Master I (Scrum.org)
- Certified in Google Data Analytics Professional Certification (Coursera)
- Tricentis Tosca Automation Testing (Udemy)
- Programming and Data Structures using Python (IIT Madras)

EDUCATION

Junior Data Analyst   **Jan 2025 - Present**

NPower   Canada

Bachelor of Technology in Information and Technology   **June 2018 - May 2022**

Jawaharlal Nehru Technological University   India