

Bansi Saboo

QA AUTOMATION ENGINEER / TESTER

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PROFILE

Experienced Software Quality Engineer with 7+ years in IT, specializing in test automation, shift-left practices, and cross-functional team leadership. Expertise in both automated and manual testing, SDLC/STLC, and Agile methodologies. Proficient in developing test strategies, managing projects, and leveraging data to optimize performance. Known for reducing manual testing efforts, enhancing software quality, and effectively communicating with senior executives.

EXPERIENCE

Senior Quality Assurance Engineer Lead
[Sujaq Solutions](#) | Toronto, Canada

01/2023 – present

- Leading a team of 5 QA engineers to deliver high-quality results for two ongoing projects employee eCommerce platform and a startup finance management system.
- Defining and implementing comprehensive test strategies and acceptance criteria in collaboration with cross-functional teams, leveraging tools like Jira, Confluence, and Slack.
- Designing and executing automated and manual test cases for functional, regression, and API testing using Postman, Selenium, and TestNG, ensuring robust test coverage.
- Automating critical workflows with Java and integrating with Jenkins CI/CD pipelines, enhancing testing efficiency and reducing cycle times.
- Conducting UAT sessions with stakeholders to gather feedback and ensure alignment with business objectives and project requirements.
- Monitoring and mentoring team performance, providing guidance to ensure adherence to quality standards and fostering a collaborative work environment.
- Maintaining detailed documentation, including test plans, defect logs, and QA metrics, to ensure transparency and drive continuous quality improvements.

Impact: Elevating project quality and team performance through strategic leadership, innovative testing practices, and robust process improvements.

Senior Quality Assurance Engineer
[Tata Consultancy Services](#) | Bengaluru, India

01/2022 – 12/2022

- Direct a team of 9 IVVT testers** in maintaining and prioritizing test sets for automation, focusing on high-impact tests and reducing manual efforts by 60%.
- Introduced WireMock for **service virtualization**, cutting service tickets by 30% and streamlining network IP manipulation for the BT project.
- Coordinated as part of the transformation team to implement **shift-left** testing practices, enabling earlier detection of defects and improving overall software quality by integrating testing activities earlier in the development process.
- Integrated UI and REST API testing into **CI/CD pipelines** using **Jenkins** and **Selenium**, enhancing continuous integration and delivery practices.
- Designed **End-to-End (E2E) topology diagrams** using Microsoft Visio and coordinated model build requests with network designers, expediting the physical testing process.
- Managed user stories and tracked progress across **6 squads** using **Jira** and **Confluence**, generated defect reports, updated stakeholders, and maintained the caveat sheet.
- Implemented **Power BI**, integrating data from various production stages into real-time dashboards and utilizing trend analysis to enhance quality control and decision-making.
- Trained new team members with **knowledge transfer (KT)** and pre-recorded videos, reducing onboarding time by 20% and facilitating smooth team integration.

Impact: Transformed testing with shift-left practices and service virtualization, significantly boosting system performance and security, and ensuring successful project delivery for **British Telecom**, the UK's largest telecommunications provider.

Software Quality Assurance Engineer
[Tata Consultancy Services](#) | Bengaluru, India

07/2019 – 12/2021

- Designed and executed effective software test strategies for **End-to-End functional testing**, reducing manual testing time by 75%.
- Developed automated test scripts using Java and Selenium Web Driver (TestNG), ensuring 100% feature coverage and streamlining regression testing.
- Identified and reported an average of **30-35 defects** and issues per user story through rigorous testing and analysis, ensuring efficient tracking from new to closed state.
- Verified accurate defect reproduction and resolution, leading to faster issue resolution, and enhanced software quality.
- Conducted performance testing using **LoadRunner** and **JMeter**, leading to a 50% reduction in product defects.
- Performed API automation testing using XML/JSON, SOAP API, and REST API, with strong proficiency in developing and enhancing API frameworks using Java.
- Led the **migration** of test management from **HP ALM** to **Jira**, overseeing data mapping, user training, and workflow adjustments to ensure a seamless transition.
- Collaborated with stakeholders and the product owner to define acceptance criteria and conducted user acceptance testing (**UAT**), ensuring client satisfaction and high-quality deliverables.
- Managed and tested components within **Citrix** environments, ensuring optimal performance and compatibility for applications that rely on Citrix for virtualization and remote access.
- Optimized **SQL** scripts for data extraction, manipulation, and management across relational and non-relational databases using **MySQL Workbench**, resulting in a 10% improvement in query performance.
- Participated in **post-deployment testing** to validate and ensure the stability and functionality of deployed systems after implementation.

Impact: Elevated software quality and reliability by refining defect identification and resolution processes, which enhanced client satisfaction and streamlined issue management.

Software Tester

[Tata Consultancy Services](#) | Bengaluru, India

03/2019 – 06/2019

- Executed comprehensive manual testing, including API tests using **Postman**, and developed detailed test cases to ensure thorough validation of telecom systems.
- Created and maintained high-level and low-level test cases and test documentation using Excel and Google Docs to support clear communication and efficient issue resolution.
- Evaluated a variety of new networking devices to ensure they met quality and performance standards, contributing to successful deployment.
- Attended calls with various component and End-to-End (E2E) designers to align on requirements and thorough understanding of various telecom products.
- Built and maintained detailed test flows in the **ARD** (Agile Requirement Designer) tool to streamline testing processes and ensure end-to-end coverage.
- Leveraged **HP ALM** to track defects, manage test cases, perform root cause analysis, and ensure timely resolution of issues.
- Monitored daily sanity checks to maintain 99.5% system stability and performed regression tests to verify that new changes did not introduce defects.

Impact:

Improved testing efficiency, system stability, and overall product quality, leading to faster delivery times and higher client satisfaction.

Software Developer

[Webs Optimization Software Solutions](#) | Ahmedabad, India

12/2017 – 02/2019

- Conducted CRUD operations using Core Java and MySQL, adhering to Software Development Life Cycle (SDLC) principles.
- Contributed to the development of a buffer-free video portal, utilizing Java, Spring MVC, Servlet, Hibernate, jQuery.
- Expanded pre-built applications with new features to meet project requirements in Angular 5.0.

Impact:

Improved project efficiency and user experience by applying advanced technical concepts, leading to more robust and user-friendly applications that met and exceeded project goals.

SKILLS

Testing Tools and Frameworks:

Selenium Web Driver | TestNG | JUnit | Postman | LoadRunner | JMeter | UI Testing | Performance Testing | Mobile Testing | Unit Testing | Database Testing | TDD (Test-Driven Development) | BDD (Behavior-Driven Development) | Cucumber | RestAssured | Service Virtualization (WireMock)

Development and Programming:

Java | Java J2EE | Spring MVC | Python Core | Object-Oriented Programming (OOP) | Bootstrap | jQuery | JavaScript | HTML | CSS | Angular | SDLC (Software Development Life Cycle)

Database Management:

SQL Server | MySQL | PostgreSQL | NoSQL (MongoDB, AWS DynamoDB) | MySQL Workbench | DB2 | Oracle

DevOps and CI/CD:

Git | Maven | Jenkins | Docker | GitLab | GitHub | Continuous Integration/Delivery | Kubernetes

Project and Test Management:

Jira | Confluence | Agile Development Methodologies | Scrum | Shift-left Testing | Project Planning | Test Strategy and Planning | Product Management | Team Management | Stakeholder Management | Risk Management | Reporting and Metrics | HP ALM | Power BI

Other Tools and Methodologies:

Waterfall and Agile Development | Documentation | ARD (Agile Requirements Designer) | Open Source Contribution | Swagger | Microsoft Visio | Collaboration Tools (Slack, Teams, Skype)

EDUCATION

Postgraduate Degree Certificate - Applied Computer Science & IT

01/2023 – 09/2023

Conestoga College - Reporting Systems and Database Development

Kitchener, Canada

Bachelor of Engineering - Computer Science

06/2014 – 05/2018

Gujarat Technological University

Ahmedabad, India

AWARDS

Service and Commitment Award

2022

Special Initiative Award

2022

Top Performer of the Year

2021

Applause Award for Best Presenter

2021

On the Spot Awards

2021

Rookie Award

2019

COURSES

Selenium WebDriver with Java | Java Fundamentals | The Complete App Design Course - UX, UI, and Design Thinking | Agile Fundamentals: Scrum and Kanban

INTERESTS

EdTech Solutions | System Design and Architecture | Teaching and Mentorship | Public Speaking