

AUTOMATION ENGINEER

Driving Quality Through Scalable Automation & Smarter Testing

Innovative and quality-focused Automation Engineer with a strong track record of building robust test automation solutions that streamline QA processes, accelerate delivery cycles, and elevate product reliability. Adept at developing end-to-end automation frameworks using Selenium, Java, and REST Assured, while seamlessly integrating testing into CI/CD pipelines for continuous quality assurance. Experienced in performance testing, API validation, and database verification, with a deep understanding of Agile methodologies. Recognized for driving testing excellence, reducing defect rates, and fostering collaboration across cross-functional teams to deliver seamless, high-performing software.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL, UNIX Shell Scripting
- **Test Automation:** Selenium WebDriver, Robot Framework, TestNG, Rest Assured, AutoIT
- **API & Database Testing:** Postman, SOAP UI, Oracle SQL Developer, PgAdmin
- **CI/CD & Version Control:** Jenkins, Gerrit.
- **Defect Tracking & Agile Tools:** JIRA, TFS, Scrum Methodologies, Azure DevOps (ADO).
- **Testing Expertise:** Functional, Regression, Smoke, Sanity, Load, UAT, Stress, Security Testing

KEY HIGHLIGHTS

- › **Altered a struggling QA process**, implementing structured documentation, JIRA-based bug tracking, and semi-automated sanity checks, boosting test coverage to 95%, cutting production bugs 60%, and enabling 5 serial on-time sprint releases.
- › **Optimized testing processes, reducing testing time 30%**, which increased team efficiency, enabling quicker deployment cycles and faster feature releases for enhanced customer satisfaction.
- › **Led and conducted comprehensive Regression, Sanity, Smoke, Load, and Stress Testing**, identifying critical issues early, reducing post-release defects 25%, and strengthening overall product reliability.

PROFESSIONAL WORK EXPERIENCE

SQA Engineer | Landis + Gyr

Aug 2022 – Mar 2025

- › **Transformed 80+ user stories into detailed test scenarios and test cases**, ensuring 100% test coverage, boosting sprint planning efficiency 20%, and accelerating product delivery timelines.
- › **Engineered and executed 100+ automated test scripts using Java and Selenium**, enhancing software stability, cutting manual testing 30%, and increasing testing throughput for faster, more reliable releases.
- › **Collaborated as an agile team member, interpreting user stories into 20+ detailed test cases**, improving issue resolution 50%, and enabling more predictable sprint cycles.
- › **Performed SOAP UI manual testing for 50+ web URLs**, validating API functionality, ensuring system stability, and reducing critical bugs in production 15%.
- › **Partnered with DevOps to integrate automation testing into Jenkins**, boosting CI/CD pipeline efficiency, reducing build failures 20%, and ensuring smoother, more reliable deployments.

Key Projects & Contributions:

- › **Tech Studio:** Implemented 30+ end-to-end automated test scripts ensuring comprehensive JSON validation and UI workflow coverage, increasing software development velocity by 20%.
- › **Command Center:** Developed RESTful API test suites with Rest Assured and conducted JMeter-based performance testing, improving API reliability by 40% and scalability by 20%.
- › **Subsystem:** Automated 75% of database and functional testing using Robot Framework with Python, increasing backend test coverage by 45% and enhancing data integrity.

EDUCATION & CERTIFICATIONS

Master of Computer Applications (MCA) | TIET, Patiala

2022

Bachelor of Computer Applications (BCA) | GEU, Dehradun

2020

Certifications: ISTQB Foundation Level

2024