SRUJANA TEKALE

Software QA Engineer

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PROFESSIONAL SUMMARY

After completing an intensive 7-month Software Testing program at NeoTech Academy, encompassing over 800 hours of coding challenges and hands-on projects, I have gained a comprehensive understanding of the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC) through both academic study and practical application. My training covers manual and automated testing of web-based applications, with expertise in various testing techniques such as smoke, regression, and functional testing. I have effectively applied Agile Scrum practices in simulated team environments, strengthening my analytical, problem-solving, and interpersonal skills. My experiences have reinforced my commitment to teamwork and collaboration as key drivers of success.

TOOLS & SKILLS

- **Languages:** Java, SQL, HTML, Gherkin, JavaScript
- **Testing Tools:** Selenium WebDriver, Cucumber, TestNG, Postman, RESTful API, Selenium Grid
- **Frameworks:** Cucumber, JUnit, Page-Object-Model (POM), Behavior-Driven Development (BDD)
- **Test Management:** JIRA
- **Build Tool:** Maven
- **APIs:** RESTful API, Postman, REST Assured
- **Databases:** MySQL, JDBC
- **Deployment:** Git, GitHub
- **CI/CD Tool:** Jenkins
- **IDE:** Eclipse
- **Methodologies:** Agile (Scrum)

PROFESSIONAL EXPERIENCE

BDT Auto-Mech | Software Developer in Test | Aug 2021- July 2022

- **Developed and executed test plans** using **TestNG** and **Cucumber** to validate the functionality and user experience of the BDT Technologies website
- **Automated 1,400+ test cases**, improving regression efficiency by **35%** and enhancing the reliability of industrial automation processes.
- **Tracked and resolved defects** with **JIRA**, collaborating with the development team to ensure high-quality releases.
- **Built and optimized automation scripts** using **Selenium WebDriver** to automate repetitive testing tasks, reducing manual testing effort.
- **Performed back-end testing** with **JDBC** and **MySQL** to validate product data integrity, ensuring correct pricing and availability of information on the website.
- **Executed smoke and regression** tests using **Jenkins** to ensure stable website functionality before each release, enhancing the customer experience.
- Performed **cross-browser testing** on Windows using Eclipse IDE, ensuring consistent functionality across browsers.
- **Collaborated with cross-functional teams** to ensure seamless integration of new features, delivering high-quality updates on time.

PROJECTS

Project 1: Orange HRM – Human Resource Management Application

- Engaged in **Agile Scrum** Ceremonies such as Sprint Planning and Daily Standups to adopt Agile methodologies effectively.
- **Developed and executed 100+ automation scripts** in a Behavior-Driven Development (BDD) framework using **Cucumber** and **Selenium WebDriver**, covering critical user flows and reducing manual testing efforts by 50%.
- **Integrated automated test execution** into the **Jenkins CI/CD pipeline**, ensuring seamless deployment and rapid feedback on test results, reducing regression testing time by 30%.
- **Crafted detailed test scripts** based on Gherkin syntax, enhancing communication between technical and non-technical stakeholders and aligning testing with business requirements.
- **Enhanced test data accuracy** by utilizing **data validation tools** to automate test case execution from spreadsheet files, improving data handling efficiency.
- **Performed database validation** using **SQL** and **JDBC**, ensuring the integrity of HR data and optimizing data retrieval processes for better performance

Project 2: SIS – Student Information System Application

- **Automated 200+ regression test cases** using **Selenium WebDriver** and **Java**, covering core functionalities and ensuring consistent quality across software updates.
- Conducted **API testing with Postman and REST-Assured**, validating integration points and ensuring smooth data exchange between front-end and back-end systems.
- **Executed database testing** through **SQL queries** to ensure proper CRUD operations and data accuracy within the **MySQL** database, reducing error rates by 25%.
- **Refined test automation scripts** to reduce execution time by 35%, improving test cycle efficiency and accelerating the feedback loop during development sprints.
- **Integrated test management** using **JIRA**, improving defect tracking and communication between cross-functional teams, contributing to faster issue resolution.
- **Leveraged version control with Git** and **GitHub** for effective collaboration, ensuring code quality and consistency across the development team.

EDUCATION

Software Testing Bootcamp | NeoTech Academy | Mar 2025
Masters in Computer Science | California State University | San Bernardino, CA | Dec 2024

CERTIFICATION

Selenium WebDriver with Java -Basics to Advanced plus Frameworks | Udemy | Feb 2025