Sana Iftikhar

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Professional Summary

Detail-oriented QA Tester with expertise in manual and automation testing of web and mobile applications. Skilled in functional, regression, API, and database testing, with strong knowledge of Agile/Scrum, SDLC, and STLC. Proficient in Selenium, Cypress, Postman, SQL, and CI/CD pipelines. Background in mechanical engineering design (HVAC) with proven ability to deliver projects from concept to completion.

Technical Skills

- Testing & QA: Functional, Regression, Smoke, Sanity, Usability, Mobile, Cross-Browser
- Automation Tools: Selenium WebDriver, Cypress, Appium, TestNG, Cucumber, Gradle, POM
- API Testing: Postman, REST Assured, Swagger
- Databases: MySQL, MariaDB, PostgreSQL, MongoDB | SQL Certified
- Programming: Java, JavaScript, SQL, HTML, CSS, JSON, XML
- DevOps/Tools: JIRA, Zephyr, Git, GitHub, Jenkins, GitHub Actions, Chrome DevTools
- Platforms: Windows, macOS, Android, iOS

Professional Experience

Freelance QA Manual Tester | Smart School Management System

Jun 2025 – Present

- Designed and executed manual test cases for web and mobile applications.
- Performed functional, regression, smoke, and cross-browser testing.
- Verified API endpoints using Postman; validated backend data with SQL queries.
- Logged and tracked defects in JIRA; collaborated with developers for quick fixes.
- Created BDD scenarios using Gherkin to support UAT and improved test coverage.

HVAC Design Engineer | S. Mehboob & Co.

2008 – 2010

- Delivered HVAC design for high-rise and commercial projects from concept through BOQ and tender submissions.
- Performed load calculations, plant room layouts, and equipment selection (chillers, cooling

towers, pumps).
- Prepared Bills of Quantities (BOQ) and project documentation using HAP and CADCAM software.

Projects (Automation & QA)

- E-Commerce Automation | Selenium, Java, TestNG, CI/CD – Automated 100+ test cases (login, search, cart, checkout); reduced regression cycle time by 40% and validated backend data with SQL queries.
- Koel Music Player Automation | Selenium, Java, Jenkins – Built a maintainable Page Object Model framework; automated login, playlist, and song management; integrated into CI/CD pipelines.
- API Testing | Postman – Created REST API collections, validated JSON/XML responses, and tested end-to-end workflows.

Education & Certifications

- QA SDET & Automation Bootcamp – Test Pro | Completed Sept 2025
- B.S. Mechanical Engineering – NED University of Engineering & Technology, 2007