

MD IRFAN

Software Test Engineer

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PROFESSIONAL SUMMARY

Software Test Engineer with 4 years of comprehensive experience in manual and automation testing. Expertise in Selenium WebDriver, TestNG, and hybrid framework development with proven success in API testing, database validation, and defect management across Agile environments. Demonstrated ability to enhance software quality through strategic test planning, efficient execution, and early defect identification. Strong collaborator with experience in delivering high-quality software solutions for financial, e-commerce, and enterprise applications.

TECHNICAL SKILLS

Automation Tools: Selenium WebDriver, Selenium IDE, Selenium RC, TestNG, Apache POI

Programming Languages: Core Java, SQL

Testing Frameworks: Hybrid Framework, TestNG Framework, Page Object Model (POM), Data-Driven

API Testing: Postman, REST API

Bug Tracking Tools: JIRA, Redmine

Databases: SQL Server, Oracle

Operating Systems: Windows, macOS

Testing Types: Functional, Regression, Integration, System, End-to-End, Smoke, Sanity, Cross-Browser

Methodologies: STLC, SDLC, Agile/Scrum, Defect Life Cycle

PROFESSIONAL EXPERIENCE

Software Test Engineer

April 2022 – Present

Misha Infotech Pvt. Ltd., Delhi, India

- Designed and implemented automation test frameworks using Selenium WebDriver and TestNG, reducing manual testing efforts by 40% and accelerating release cycles
- Developed and maintained 500+ automated test scripts in Java for comprehensive coverage of web application functionalities
- Collaborated with cross-functional teams to analyze business requirements and create aligned test strategies ensuring quality delivery
- Executed complex SQL queries for backend data validation across SQL Server and Oracle databases, maintaining data integrity standards
- Performed extensive cross-browser testing on Chrome, Firefox, and Internet Explorer to ensure consistent user experience
- Prepared detailed test plans, test cases, and test scenarios based on functional specifications with 95%+ requirement coverage
- Generated comprehensive test summary reports and defect analysis documentation providing actionable insights to stakeholders
- Participated actively in daily Scrum meetings, sprint planning, and retrospectives within Agile development environment
- Conducted frontend and backend testing for Java-based enterprise web applications ensuring end-to-end quality

Software Test Engineer

March 2022 – March 2024

MIPL, India

- Executed comprehensive Functional, Regression, Integration, System, and End-to-End testing across multiple software projects
- Ensured strict adherence to Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), and Defect Life Cycle processes
- Designed and executed detailed test cases achieving complete functional coverage and identifying critical defects early in the development cycle

- Managed end-to-end defect lifecycle using JIRA from identification through resolution with close collaboration with development teams
- Performed smoke and sanity testing to validate build stability before comprehensive test execution cycles
- Coordinated with business analysts and developers to clarify requirements and ensure testability of new features

PROJECT EXPERIENCE

ARIAS – Financial Sector Reporting System

- Validated automated regulatory reporting processes ensuring 100% accuracy in compliance reporting for financial institutions
- Performed comprehensive data integrity checks and backend validation using SQL queries to ensure correctness of financial calculations and aggregations
- Tested report generation workflows, data aggregation logic, export functionalities, and automated scheduling mechanisms
- Collaborated with business analysts to understand complex financial reporting requirements and translate them into detailed test scenarios
- Verified compliance with financial industry regulations and standards through thorough validation and regression testing

Collector XII – Online Luxury Bidding Platform

- Tested end-to-end auction workflows including user registration, bidding mechanics, payment processing, and real-time notification systems
- Conducted security testing to identify vulnerabilities in payment gateway integration, user authentication, and data protection mechanisms
- Performed usability testing to enhance user experience and streamline the auction participation process for luxury item buyers
- Validated real-time bidding functionality, accurate bid tracking, and winner determination logic under concurrent user load scenarios
- Tested integration with third-party payment processors, email notification services, and SMS alert systems

24GY E-Commerce System

- Tested integrated multi-platform e-commerce ecosystem including customer app, store management app, and delivery partner application
- Performed integration testing to ensure seamless data flow between user interfaces, backend microservices, and third-party APIs
- Validated inventory management, order processing, payment integration, and real-time delivery tracking functionalities across platforms
- Conducted performance testing to ensure system stability and responsiveness under peak load conditions during promotional events
- Verified data synchronization across mobile applications and web platforms to maintain consistency and prevent data conflicts

WooCommerce Marketplace Plugin

- Led defect triage meetings and status calls with development team, prioritizing issues based on severity and business impact
- Prepared comprehensive test documentation including test plans, test cases, test scenarios, and requirement traceability matrices
- Validated plugin compatibility across multiple WordPress versions, various themes, and different PHP configurations
- Tested multi-vendor marketplace features including vendor onboarding, commission calculations, payment splitting, and payout processing
- Performed regression testing after each plugin release to ensure no functionality degradation and backward compatibility

CERTIFICATIONS

Introduction to Selenium – Simplilearn

February 2025

Certificate Code: 7882388

EDUCATION

Bachelor of Computer Application (BCA)

2012 – 2015

Jagannath Jain College, Jhumri Telaiya, Koderma, Jharkhand

Intermediate & High School

Jharkhand School Examination Board (JAC)

KEY ACHIEVEMENTS

- Reduced regression testing time by 40% through implementation of robust Selenium-based automation frameworks with reusable components
- Achieved 95%+ test coverage across critical business functionalities resulting in 30% fewer production defects
- Identified and documented 200+ critical and high-priority defects during testing phases, preventing potential production issues
- Successfully mentored 2 junior QA engineers on automation best practices, framework architecture, and testing methodologies
- Improved team sprint velocity by 20% through process optimization, efficient test execution strategies, and early defect detection