

Keshav Singh

Senior Software Test Engineer

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PROFESSIONAL SUMMARY

Senior Software Test Engineer with 5+ years of experience in manual and automation testing, mainly in the healthcare domain and EDI. Experienced in testing healthcare reporting platforms and validating EDI files such as 834 and 837. Skilled in SQL for backend checks, API testing with Postman and RestAssured, and automation using Selenium WebDriver with Java in both JUnit with Cucumber BDD and TestNG frameworks. Familiar with CI/CD practices and comfortable working in Agile teams, writing clear test cases, and collaborating with cross-functional squads to deliver reliable, high-quality releases.

KEY COMPETENCIES

- Testing: Regression, Exploratory, UAT
- Automation: Selenium WebDriver with Java (Hybrid, BDD(Cucumber +JUnit4) Data-Driven, Keyword-Driven frameworks)
- API Testing: Postman, RestAssured
- Databases: MySQL (SQL queries for backend validation)
- Test Management: Test case creation, planning, reporting
- Defect Tracking: JIRA (end-to-end defect lifecycle management)
- Agile Practices: Agile/Scrum methodology, client communication
- Version Control & CI/CD: GitHub, Jenkins (basic)
- Automation Planning: UI and API coverage strategy

PROFESSIONAL EXPERIENCE

Sept 2020 - Present

Infinite Computer Solution India Ltd.

- Designed, executed, and maintained comprehensive manual and automated test cases to ensure full functional and regression coverage.
- Developed and executed automation scripts using Selenium WebDriver with Java (JUnit/TestNG) and contributed to framework enhancements for regression testing.
- Performed API testing using Postman and RestAssured, validating integrations and data consistency across healthcare platforms.
- Conducted SQL queries on MySQL to validate backend data and support EDI file validations (834, 837).
- Actively participated in Agile ceremonies—daily stand-ups, sprint planning, backlog grooming, and retrospectives—to align QA efforts with sprint goals.
- Collaborated with developers, product managers, and business analysts to clarify requirements, troubleshoot issues, and improve end-user experience.
- Logged and tracked defects using JIRA, ensuring complete traceability and validating fixes with thorough retesting.
- Supported UAT cycles, validating business workflows and system functionalities against acceptance criteria before production release.
- Familiar with CI/CD pipelines (Jenkins) and version control (GitHub) for continuous integration of test suites

PROJECTS

Project 1 : Sentara Health plan Implementation

Client: Sentara Healthcare (Claims)

Role : Manual tester

Description

- Gained expertise in QA methodologies for healthcare applications.
- Conducted manual verification of claims processing using EDI834 and 837.
- Performed backend data validation through SQL queries.

Project 2 : CA Health plan Implementation

Client: Molina Healthcare (Cotiviti/Optum UAT)

Role : Claims, Payment Integrity, Peripherals application validation

Description

- Designed and executed 300+ manual test cases covering functional, integration, and regression scenarios to ensure end-to-end quality.
- Automated selected regression test cases using Selenium WebDriver with Java (TestNG) to reduce execution time and improve test coverage.
- Created and mocked test data using EDI 834 and 837 files for member enrollment and claims processing.
- Performed requirement analysis to align test scenarios with business needs and validated downstream workflows such as Claims Workflow, Appeals & Grievances, PEGA, Claimbot, Claims Image Viewer, and EOP.
- Logged, tracked, and retested defects in JIRA, collaborating closely with developers to ensure timely resolutions.
- Participated actively in Agile ceremonies (sprint planning, reviews, retrospectives), contributing to continuous improvement of QA processes.

Project 3 : ONM Payment Integrity fixed Capacity

Client: Molina Healthcare (Progeny/Advent CAVO)

Role : End to End Execution

Description

- Prepared manual and automated test cases aligned with User Stories and BRDs to ensure full functional coverage.
- Designed and executed automation scripts using Selenium WebDriver with Java (TestNG/JUnit) for UI workflows, improving regression efficiency.
- Used SQL queries to mock and validate EDI 837 files, performing backend checks for data transformation and consistency.
- Performed SIT, UAT, Sanity, and Regression testing, integrating automated test execution into CI/CD pipelines (Jenkins).
- Conducted validations across Azure Data Factory, workflow applications, and file transfers in WinSCP.
- Managed defects through JIRA, collaborated with developers for quick turnaround, and ensured closure through automated retests where possible.
- Engaged with clients and stakeholders for demos, requirement clarifications, and shared daily progress updates.

Project 4 : ConnectiCare Health Plan Implementation

Client: Molina Healthcare (Cotiviti/Optum UAT)

Role : Senior QA Engineer (Burgess/Optum Implementation)

Description

- Prepared manual and automated test cases aligned with User Stories and BRDs to validate healthcare workflows and compliance requirements.
- Designed and executed automation scripts using Selenium WebDriver with Java and TestNG, applying Hybrid and Data-Driven frameworks to cover regression scenarios.
- Performed API testing with Postman and RestAssured for EDI 837 transactions, ensuring claims data accuracy across multiple Lines of Business (LOBs) and state-specific rules.
- Created and executed SQL queries to validate enrollment, eligibility, and claims data in backend systems.
- Conducted SIT, UAT, Sanity, and Regression testing for healthcare applications, including claims processing, reporting modules, and member workflows.
- Managed defects in JIRA, collaborated with developers for timely fixes, and validated resolution through retesting.
- Participated in Agile ceremonies and worked closely with business analysts and stakeholders to clarify healthcare requirements and demonstrate validated workflows.

EDUCATION

B.Tech in Computer Science - 8.54 CGPA
GIET University, Gunupur (Odisha)

2016-2020

ACHIEVEMENTS

- Quarterly Spark Award 2023
- Monthly Spark Award 2024
- Onboarding Project Lead (2024) from Offshore (SME), Payment Integrity.
- Monthly Spark Award, 2025

CERTIFICATIONS

- HIPPA Certification, Healthcare Payer Certificate issues by Infinite Computer Solution India Pvt Ltd.
- Selenium WebDriver with Java – Udemy
- Performance Testing with JMeter Simplilearn.
- UI/UX Design Certification – Google.
- BEC Vantage (Grade B, English) Cambridge University.