

Meghashree Badri Lakshmi Narasimhan

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SUMMARY

Test Engineer with 2+ years of experience specializing in data validation and automated testing frameworks. Proven track record in creating comprehensive test strategies for large-scale data applications achieving 95% test coverage. Expert in SQL, Python, and ETL testing with hands-on experience validating data transformation processes using Hive, Hadoop, and Informatica. Skilled in developing automated testing solutions that identify critical defects early in the development cycle. Proficient with CI/CD tools including GitHub Actions, Maven, and Jenkins. Adept at collaborating with cross-functional teams in Agile environments to enhance data quality and pipeline reliability.

EDUCATION

Master of Science in Computer Science
DePaul University, Chicago, IL GPA 3.5

September 2023 – Present

Bachelors in computer applications
University of Mysore, India CGPA 9.2

June 2017 – May 2020

TECHNICAL SKILLS

Languages: Java, SQL, Python

UI Automation: Selenium, TestNG, JUnit, Cucumber

API Testing: Postman, Rest Assured

Test Management: Test Planning, Test Case Development, Requirement Verification, Defect Tracking

Performance Testing: JMeter, Blaze meter

Databases & Big Data: IBM DB2 Studio, Microsoft SQL Server, Hadoop, HIVE, Informatica, MicroStrategy

Cloud & Infrastructure: AWS

CI/CD Tools: Maven, GitHub Actions, Jenkins

Software and IDEs: Excel, IntelliJ IDEA, Anaconda, Toad 5.2, PuTTY, Jira, HP ALM, Trello, Power BI

Testing Types: Manual Testing, Automated Testing, Functional Testing, Regression Testing, Data Quality & Transformation Testing, API Testing, Performance Testing, UI Testing, Big Data Testing, ETL Testing, Business Intelligence Report Testing, Quality Assurance

Testing Methodologies: Agile, SDLC, Test-Driven Development (TDD)

Test Design & Strategy: Test Data Sets Design, Test Scripts Design, Test Conditions Design, Equivalence Partitioning, Boundary Value Analysis

Version Control: Git

PROFESSIONAL EXPERIENCE

Infosys Limited | Test Engineer

Oct 2022 – July 2023

- Created and executed detailed test strategies and test plans for large-scale data applications, resulting in 95% test coverage
- Leveraged Rally for comprehensive test case tracking and sprint management, while validating data integrity of files loaded into the HDFS environment through custom HDFS commands; ensured complete data consistency across multiple environments
- Optimized automation testing via advanced Python scripting with Anaconda and mapping document integration; identified major sources of errors that caused significant disruptions
- Validated data using the Hive Queries for analyzing data in Hive warehouse using Hive Query Language (HQL)
- Executed regular defect triage sessions with the developers, improving bug resolution times while maintaining comprehensive regression test coverage

Infosys Limited | Senior Operations Executive

Jan 2021 – Sep 2022

- Refined test case creation process through strategic use of ALM tools; resulted in identifying critical defects earlier, leading to a significant decline in post-release incidents
- Validated transformation logic and business rules through SQL queries in Toad, enhancing data accuracy by identifying discrepancies between source and target tables
- Designed ETL test data sets to validate Informatica mapping rules, ensuring data transformation integrity through rigorous testing, achieving reduced post-deployment issues.
- Managed targeted regression testing during User Acceptance Testing (UAT), which resulted in marked reduction of post-release defects
- Recognized by peers and supervisors alike following successful completion of a high-stakes project; [award](#).

Intrellar solutions | Web Developer

June 2019 – Dec 2019

- Engaged with the team on designing and developing over 5+ websites for clients, specializing in front-end development assisting with coding, testing, and debugging existing code, formatting graphics for web optimization.
- Implemented over 50+ comprehensive test plans, test cases, and test scripts on azure test environment, emphasizing test automation
- Formulated an extensive test result document that examined performance data, identified critical areas for enhancement, and offered practical suggestions to improve product functionality and user experience.

PROJECTS

[Split share](#) (Team 4)

April 2025 – Present

Developing key components for Split Share, a web application using OCR technology to automate receipt scanning and expense allocation among friends, implementing React.js frontend interfaces and integrating payment APIs to eliminate manual calculations and simplify group payments.

[Dungeons of the Doom](#) (Team 4)

Jan 2025 – Mar 2025

Led QA efforts for a Java-based dungeon-crawling game, implementing CI/CD workflows with GitHub Actions and JUnit that caught defects early in the development cycle, significantly improving release quality.

[Demon Hub](#) – Exclusive E-Commerce Platform for DePaul University (Team 4)

Sep 2024 – Dec 2024

Created and executed a test strategy for an e-commerce platform, developing automated UI and API tests that ensured comprehensive functional coverage of critical Order and Shipment modules through an Agile delivery framework.