

Viswanadh Reddy Nune

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Highly accomplished **Software Development Engineer in Test (SDET)** with **3+ years of progressive experience** in the **full Software Development Life Cycle (SDLC)**. Proven expertise in designing, implementing, and scaling robust **Test Automation Frameworks** using **Java, Python, and JavaScript/TypeScript**. Deeply proficient in comprehensive testing strategies, including **manual, exploratory, automation, API, UI, and Performance testing**. Successfully integrated tests into **CI/CD pipelines (DevOps)**, driving quality early (**Shift-Left**) and guaranteeing the delivery of high-quality, high-performing enterprise applications across Finance, Healthcare, and Tech sectors.

WORK EXPERIENCE

BNY Mellon • Wichita, KS • 06/2025 - Present

QA Engineer

- Architected and executed **automation test suites** for high-traffic financial platforms, ensuring reliability and regulatory compliance.
- Automated regression, smoke, and integration tests using **Selenium WebDriver, TestNG, and PyTest**, improving test coverage by **40%**.
- Developed **API test frameworks** with Postman and PyTest to validate data integrity, security, and transaction accuracy.
- Integrated automated tests into **CI/CD pipelines** (Jenkins, GitHub Actions), reducing deployment validation time by **35%** and accelerating release cycles.
- Conducted **performance and load testing** using JMeter, identifying bottlenecks and improving system scalability.
- Collaborated with cross-functional teams to define requirements and acceptance criteria, **mentoring junior QA engineers** in automation best practices.

McKesson • Wichita, KS • 02/2025 - 05/2025

QA Automation Engineer

- Designed, implemented, and maintained **automated testing frameworks** for healthcare management applications, boosting execution efficiency by **45%**.
- Conducted **API testing and validation** using Postman and PyTest, ensuring HIPAA-compliant, secure data flow.
- Built and optimized **CI/CD pipelines** with Jenkins and Azure DevOps, enabling seamless integration of new features.
- Performed data verification across **MySQL and PostgreSQL**, ensuring integrity in healthcare applications.
- Partnered with DevOps to integrate **continuous testing in AWS and Azure environments**, improving release reliability.

Wipro Technologies • Bengaluru • 12/2021 - 12/2022

Software Test Engineer

- Developed and maintained **Selenium-based automation scripts** for enterprise web applications, increasing test coverage and reducing manual effort by **30%**.
- Designed test plans, cases, and defect reports for core modules, ensuring **comprehensive coverage and early defect detection**.
- Executed automated and manual tests for **Java/Python applications**, focusing on integration points and service validation.
- Developed **API test scripts** using Postman and PyTest, verifying functionality, security, and performance.
- Collaborated closely with developers to **resolve defects rapidly**, contributing to high-quality software releases.
- Architected and enhanced automation frameworks** using Selenium and TestNG, enabling scalable, reusable test scripts and reducing regression testing time by **30%**.

AirBnb • Kerala • 07/2020 - 11/2021

Associate QA Engineer

- Developed and executed test cases for Airbnb's booking and reservation system, ensuring **core platform features functioned correctly**.
- Created and maintained **Selenium automation scripts** for UI validation, including **cross-browser and regression tests**.
- Performed API testing with Postman to validate booking/reservation data accuracy.
- Conducted **cross-browser and multi-device testing**, ensuring a consistent user experience.
- Documented test results, tracked defects, and **collaborated with developers** for timely resolution.

EDUCATION

Master of Science in Computer Science

Wichita State University • Wichita, Kansas • GPA: 3.91/4.00 • 01/2023 - 12/2024

Bachelor of Electronics and Communication Engineering

NIT Calicut • Kerala, India • 07/2017 - 06/2021

CERTIFICATIONS

Postman API Testing.

Postman Learning Center

Selenium WebDriver Basics.

Udemy (Free Course)

AWS Cloud Fundamentals

AWS Training

PROJECTS

Automated Regression Framework for Financial Platform

Designed and implemented a reusable automation framework for end-to-end regression and smoke testing of high-traffic financial applications, reducing testing time and improving coverage.

API & Performance Testing Framework for Healthcare System

Developed automated API validation scripts and performance tests for patient data flow, ensuring secure, compliant, and scalable healthcare applications.

CI/CD Pipeline Integration for Test Automation

Integrated automated test suites into CI/CD pipelines, enabling continuous testing, faster release cycles, and improved collaboration between QA and DevOps teams.

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, Bash

Frameworks: React, Spring Boot, BDD, POM, Data-Driven, Hybrid Framework

API & Performance Tools: Postman, REST Assured, SoapUI, JMeter, LoadRunner

Automation Tools: Selenium WebDriver, PyTest, TestNG, JUnit, Cucumber, Cypress, Playwright

Databases & Version Control: MySQL, PostgreSQL, MongoDB, DynamoDB, SQL Server, Git, GitHub, Bitbucket

CI/CD & Cloud/DevOps: Jenkins, GitHub Actions, Azure DevOps, AWS, Docker, Kubernetes

Bug Tracking & Methodologies: Jira, Confluence, Bugzilla, Agile/Scrum, Kanban, SDLC, STLC

Soft Skills: Problem Solving, Analytical Thinking, Collaboration, Communication