

MARREDDY AMARNADH REDDY

Software Test Engineer | 9705268416 | amarnadh1820@gmail.com

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Profile Summary

Software Test Engineer with around **3 years of experience** in Manual and Automation Testing of web applications across **Business and E-Commerce** domain. Strong hands-on expertise in **Selenium Web Driver with Java, TestNG, and REST API testing using Postman and REST ASSURED**. Experienced in building and maintaining automation frameworks, executing regression suites, and working across the complete **STLC in Agile/Scrum** environments. Proven ability to improve test coverage, integrate automation with **CI/CD pipelines (Jenkins)**, and deliver high-quality software solutions.

Core Skills

- **Programming** : Java
- **Automation Testing**: Selenium Web Driver, Java, TestNG, Page Object Model (POM), Data-Driven & Hybrid Frameworks, Playwright, BDD
- **API Testing**: REST API Testing using Postman, Request/Response Validation, Status Code Verification, Rest Assured
- **CI/CD & Version Control**: Jenkins, Git, Maven, GitHub
- **Testing Types**: Manual Testing, Functional Testing, Regression Testing, Smoke Testing, Sanity Testing, UI Testing, Web Application Testing, Mobile Testing (Android and iOS testing)
- **Tools and Test Management**: JIRA, Test Rail, Bug Maker, Wind Surf IDE, chat GPT, meta mate
- **Methodologies & Processes**: Agile, STLC, SDLC
- **Database**: Oracle Sql
- **Performance Testing**: J meter

Professional Experience

Tech Mahindra –Software Test Engineer

DEC 2023 - MAR 2026

- Designed and maintained **hybrid automation frameworks** using **Selenium Web Driver, Java, TestNG**
- Automated **100+** functional and regression test cases, improving test execution speed by **40%**.
- Performed **API testing using Postman** to **validate authentication**, account creation, and transaction-related API.
- **Developed** and executed **API test automation** scripts using **Rest Assured** and Java
- Designed and validated **Restful API s (GET, POST, PUT, DELETE)** and validate **JSON Schema**
- **Integrated automated test** execution with **Jenkins** CI/CD pipelines, enabling scheduled runs and faster release cycles.
- Executed manual testing including **functional**, regression, smoke, and **sanity testing** across multiple releases.
- **Logged**, tracked, and **re-tested** defects using **JIRA**, supporting root cause analysis and faster defect resolution.
- Enhanced automation framework scalability and re usability, reducing maintenance effort by **25%**.

Intern | APSSDC

MAR 2023 – NOV 2023

- Learned and applied software testing concepts including SDLC and STLC
- Developed basic **automation scripts** using **Selenium Web Driver** with Java
- Worked with SQL queries for back end data validation

Project Experience

Client Project: Meta Horizon Dashboard Application – Manual and Automation Testing

- Built and enhanced a **hybrid automation framework** using Selenium Web Driver, Java, TestNG following **POM**.
- Developed and maintained **automation scripts using Selenium Web Driver (Java, TestNG)** with advanced locators (X Path, CSS, ID) for the Meta Horizon Dashboard application.
- Automated key Customer workflows **including login**, template management, and chat bot interactions using Selenium

Web Driver with Java and TestNG

- Implemented **data-driven testing and parallel execution**, increasing test coverage and reducing execution time across multiple environments.
- Conducted **cross-browser and cross-platform testing** (Web, Mobile, Desktop) to ensure consistent-function
- Integrated automated test suites with **Jenkins CI/CD pipelines**, reducing manual testing effort by **30%** and enabling faster release cycles.
- Leveraged **AI-based tools (Wind Surf AI)** to improve automation development speed and debugging efficiency.
- Performed **API testing using Postman**, validating REST endpoints, request/response payloads, and status codes to ensure data integrity
- **Developed and executed** API test automation scripts using **Rest Assured and Java**
- Designed and validated **Restful API s** (GET, POST, PUT, DELETE)
- Implemented BDD (**Given-When-Then**) approach for API testing
- Performed **request and response** validation including status codes, headers, and body
- Automated **JSON and XML response** validation.
- Wrote and executed **SQL queries for back end data validation**, ensuring accuracy and consistency of application data.
- Managed **authentication and authorization testing** using Okta and Azure SSO integration's.
- Led **end-to-end (E2E) testing for new feature releases**, ensuring alignment with business requirements and production readiness.
- Collaborated with cross-functional teams in Agile environments to ensure **on-time delivery and quality assurance alignment**.
- Identified, documented, and tracked defects using **JIRA**, ensuring efficient defect life cycle management and resolution.
- Mentored junior team members and provided **technical guidance on automation frameworks, testing strategies, and best practices**.

End to End Testing of E-commerce Web App

- Designed and automated complete **E2E** workflows for an e-commerce web app including **Login**, Product Search, **Add To Cart**, and Checkout.
- Implemented **Page Object Model (POM)** architecture, parameterized test execution, and integrated Jenkins for **CI pipeline execution**.
- Workflow : Web app -> Product Search -> Add To Cart -> Check-Out -> Place the Order.

Data Driven Testing Framework On login Page

- Built using Selenium + TestNG + Page Object Model (POM). The framework validates Login Page flows (**positive**, negative, empty, **invalid inputs**) with Data Driven Testing , supports cross-browser execution, and generates rich **HTML reports** and attaches screenshots of failure using **Extent Reports**.

Achievements

- Awarded with **“Bravo”** multiple times for perfection in quality and client appreciation
- Awarded **“Innovator of the month”** award for identifying highest number of Bugs

Education

Bachelor of Technology - Electronic and communication Engineering

2018 - 2022

Jawaharlal Nehru Technological University, Kakinada