NAGA ANVESH MADINENI

Test Engineer — QA Engineer (Manual & API Testing)

Pune, Maharashtra

nagaanvesh50@gmail.com — +91-8919032893 — LinkedIn

Professional Summary

QA Engineer with 2.5+ years of experience in Automotive Infotainment (IVI) and Web & Mobile Application Testing, working in Agile/Scrum environments. Strong expertise in Manual Testing and RESTful API Automation, with hands-on experience across SDLC and STLC. Proven ability in test planning, test strategy definition, test scenario design, release validation, and defect life cycle management for IVI systems and enterprise-scale data platforms.

Technical Skills

Testing Types: Manual Testing, Functional Testing, Non-Functional Testing, Regression Testing, Integration Testing, Smoke Testing, Sanity Testing, Build Verification Testing (BVT), UAT
Automation & API: RESTful API Testing, Postman, Swagger, CI/CD Pipelines
Automotive Testing: In-Vehicle Infotainment (IVI), Audio, Media, Bluetooth, Android Auto, Apple CarPlay, Radio, Navigation
Tools: CodeBeamer, JIRA, Renesas Debugger, PCAT, Sentinel Test Harness, MobaXterm, Putty, Excel, Git, VS Code, Eclipse, Confluence, SharePoint
Concepts: SDLC, STLC, Agile Methodology, Test Planning, Test Strategy, Test Case Design, Test Scenario Creation, Defect Life Cycle, Cross-Browser Testing, Performance Testing
Languages: Python, Java (Basic), C (Basic)

Professional Experience

Test Engineer / Validation Engineer
KPIT Technologies   2023 – Present
Project: Flexi Van – In-Vehicle Infotainment (IVI) Testing

- Executed system-level testing for IVI features including Audio, Media, Android Auto, Apple CarPlay, Radio, and Navigation in Agile SDLC.

- Participated in requirement analysis and contributed to test strategy and test planning activities using CodeBeamer.

- Created detailed test scenarios and designed 300+ test cases based on functional and non-functional requirements.

- Performed Build Verification Testing (BVT) to ensure build stability before regression cycles.

- Executed Functional, Regression, Integration, Smoke, and Sanity testing across multiple releases.

- Performed flashing and debugging using Renesas Debugger Board, PCAT, MobaXterm, and Putty.

- Simulated Ethernet communication using Sentinel and Test Harness tools.

- Logged, tracked, and validated 200+ defects using CodeBeamer and collaborated with developers through the complete defect life cycle.

- Supported release validation by ensuring cross-feature compatibility and system reliability.

Project: Data Platform – Web & Mobile Application Testing

- Tested enterprise-scale web and mobile applications across multiple business modules in Agile/Scrum teams.

- Created test plans, test scenarios, and executed UAT based on business and technical requirements.

- Automated RESTful API testing using Postman, including scripting and execution through CI/CD pipelines.

- Conducted cross-browser compatibility testing and performance testing to identify system bottlenecks.

- Managed defects across the complete defect life cycle and supported continuous integration and release validation.

Education

B.Tech – Computer Science 2019 – 2023
Lovely Professional University
Major: Computer Science — Minor: IoT Engineering
CGPA: 8.5

Senior Secondary (MPC) 2016 – 2019
Sri Chaitanya Institutions
CGPA: 8.3

Certifications

- Mastering API Automation with Postman – Udemy

- Foundations of Software Testing and Validation – Coursera

- Object Oriented Programming using Python – Ebox

- Basics of Prompt Engineering – KPIT Academy

Languages

English, Hindi, Telugu, Kannada

Interests

Travelling, Waste Reduction Initiatives, Cooking, Hardware Maintenance, Riding, Plantation, Swimming

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Naga Anvesh Madineni
Pune, Maharashtra