

HARISH G

Software Test Engineer-II

QA Engineer with 6 years of experience driving quality assurance strategies for scalable web and mobile applications. Strong proficiency in automation frameworks using Selenium, Cypress, and CodeceptJS, with hands-on experience in functional, regression, API, and end-to-end testing. Demonstrated leadership in defining test strategies, improving automation coverage, and integrating tests into CI/CD pipelines to ensure high-quality, reliable software delivery. Proven collaborator with cross-functional teams focused on risk mitigation and continuous quality improvement.

Experience

Shell Recharge Solutions

Sep 2024 - Present

Software Test Engineer 2

- Designed and executed end-to-end (E2E) testing of EV charging workflows using simulators and live charging sessions.
- Performed Functional and API testing for OCPP 1.6 (JSON) and OCPI 2.1.1 / 2.2.1 protocols, ensuring reliable communication between eMSP and CPO systems.
- Developed and enhanced UI & API automation frameworks, increasing regression and sanity coverage; automated new feature test cases to reduce manual effort and release risk.
- Integrated automated test suites with TeamCity CI/CD pipelines for continuous regression execution.
- Monitored logs using Dynatrace, validated Kafka message flows, and performed MySQL database validation for sessions, CDRs, roaming partner data, locations, and tariffs.
- Led onboarding and E2E integration testing for 30+ roaming partners, collaborating with cross-functional and external stakeholders.
- Executed payment testing (Payter, RFID, mobile app sessions) and validated OneMPS pricing and tariff distribution flows.
- Designed test cases from business/technical requirements; prepared detailed test execution and release reports for stakeholders.
- Supported post-production validation, major platform releases, and feature rollouts ensuring compliance with EV charging standards.

Moolya Software Testing Pvt Ltd

Mar 2023 - Aug 2024

Software Development Engineer in Test

- Performed end-to-end (E2E) testing of loan workflows, including PAN/Aadhaar validation, risk checks, and loan crediting to savings accounts.
- Validated user onboarding flows (Savings-only, Credit Card, Loan-only), ensuring seamless fintech customer journeys.
- Tested deposit, bill payment, and credit card flows to ensure transaction accuracy and system reliability.
- Developed and executed functional, API, and mobile automation test suites across web and mobile platforms.
- Automated critical business flows (loans, bill payments) using Python, Pytest, and Appium (Android), improving regression coverage and release confidence.

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Expertise

CI/CD & QA Tools:

- Postman, JMeter, Dynatrace
- TestRail, Jira, GitHub
- MySQL, AWS, KafkaUI
- TeamCity, OpenSearch
- OCPP Simulator, Swagger

Test Automation:

- Selenium
- Cypress
- Playwright

Programming & Scripting:

- Java
- JavaScript

Frameworks:

- CodeceptJS
- BDD Cucumber
- TestNG
- Hybrid
- Page Object Model

AI-Assisted QA & Testing:

- BrowserUse AI Agents
- Pixelmatch
- GitHub Copilot
- Gemini 2.0 Flash Experimental Model

Internal Innovation

AI-Driven Test Automation Platform

- Built a full-stack platform (FastAPI + React/TypeScript) that converts plain-English test cases into Playwright scripts using LLM-driven step interpretation
- Designed a live DOM-execution agent that derives locators from real interactions (not text guesses), eliminating brittle selectors
- Built a self-healing pipeline that auto-diagnoses failed test runs and regenerates broken scripts until passing
- Implemented DOM-diff-based assertion grounding to verify UI state changes from observed behavior, not assumptions
- Tech: Python, FastAPI, SQLAlchemy, Playwright, Claude/OpenAI APIs, React, TypeScript

Education

2015 - 2019

Bachelor of Engineering

BTL Institute of Technology & Management College

- Created detailed test cases using standard test design techniques and contributed to structured test planning.
- Monitored AWS logs, performed backend validations, and collaborated with developers for defect resolution.
- Participated in bug bash sessions, enhancing defect detection and overall product quality.

Glynk India Pvt Ltd

Dec 2021 - Mar 2023

QA Engineer

- Performed manual testing including smoke, sanity, functional, and exploratory testing, ensuring application stability and quality.
- Automated regression test suites using Selenium with Java, improving execution efficiency and test reliability.
- Executed mobile application testing on iOS and Android, validating functionality, usability, and performance across devices.
- Reviewed and maintained detailed test cases based on requirements and design documents, ensuring comprehensive test coverage.
- Conducted cross-browser validation across Chrome, Firefox, and Safari, ensuring consistent user experience and compatibility.
- Collaborated with development and product teams, streamlined defect reporting, and to drive quality-focused delivery.

Coderight Technologies Pvt Ltd

Jul 2021 - Nov 2021

Software Test Engineer

- Analyzed Customer Requirements and Functional Specifications of the Application
- Involved in Creating Test Scenarios and writing Test Cases.
- Performed Functional, Integration, Regression & Retesting.
- Detecting and reporting the bugs using bug tracking tool in Jira
- Performance/Load testing using Jmeter
- Developed automated regression test scripts using the Selenium tool.

Indium Software India Pvt Ltd

Apr 2020 - Jun 2021

Test Associate

- Performed testing on platform like iOS, Android, WebGL, Kindle
- Execute test procedures and test scripts and evaluate results
- Analyze results, report and track defects, verify fixes and perform follow up work to resolve issues.
- Handling the tasks of finding bugs and explaining the issues to game developers
- Assigning the tasks of reporting bugs found in the game to software developers