

SWATHI KRISHNARAJ

Quality Assurance Engineer | QA Automation | SDET

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PROFESSIONAL SUMMARY

QA Engineer with 3+ years of experience across manual and automation testing for web and mobile applications, spanning functional, regression, integration, UI, end-to-end, smoke, sanity, and user acceptance testing (UAT). Skilled in API testing with Postman and Swagger, request/response and field-level validation, and backend/database validation using SQL, MySQL, and PostgreSQL. Experienced designing test scenarios (positive, negative, boundary, and error-handling), tracking defects through full SDLC/STLC cycles, and working in Agile/Scrum teams. Hands-on experience automating web application workflows using Playwright (JavaScript), building on a strong manual QA foundation to transition into QA Automation Engineer / SDET roles.

TECHNICAL SKILLS

Testing Types: Functional, Regression, Smoke, Sanity, Integration, System, User Acceptance (UAT), Compatibility, Performance Testing

API & Backend Testing: Postman, Swagger, REST APIs, JMeter, SQL, MySQL, PostgreSQL

Automation: Playwright (JavaScript/TypeScript); working exposure to Selenium, Cypress, Cucumber, REST Assured

Languages: JavaScript, Python, Java

Tools & Practices: Jira (Defect Tracking), Git, CI/CD, Agile/Scrum, SDLC, STLC, Test Case Design, Cross-Browser & Cross-Device Testing

PROFESSIONAL EXPERIENCE

Senior Quality Assurance Engineer

Jun 2026 – Present

Elyon IoT Private Limited

- Lead end-to-end manual testing of web applications, designing, executing, and maintaining test cases mapped to business and functional requirements
- Execute functional, regression, integration, smoke, sanity, and UAT test cycles to validate application stability and release readiness
- Identify, document, and track defects in Jira, partnering with developers to drive timely resolution and improve release quality
- Perform API testing with Postman and database validation with SQL to verify backend functionality, data integrity, and system integrations
- Validate application behavior across multiple browsers and devices to ensure cross-platform compatibility and consistent user experience
- Collaborate with cross-functional Agile teams during requirement analysis, sprint planning, and release cycles, reporting test coverage and quality metrics
- Building working knowledge of CI/CD, Git, and automation-adjacent tools (Selenium, Cypress, Cucumber, REST Assured) alongside core manual QA responsibilities

Quality Assurance Engineer

Nov 2022 – May 2026

Nissi Software Systems

- Led QA efforts across multiple concurrent projects, defining test strategies to support high-quality, on-time releases
- Managed end-to-end testing for complex, high-priority applications, ensuring comprehensive functional and regression coverage
- Partnered closely with developers and product teams to align test coverage with business requirements throughout the development cycle
- Prepared and presented test reports and quality metrics to stakeholders, supporting data-driven release decisions

PROJECT EXPERIENCE

Gutor – Audit, Investigation & Event Reporting Platform

Purpose: Web and mobile platform supporting event reporting, audit form management, investigation workflows (Full and Slim Investigation), and action item tracking

Role: Senior Quality Assurance Engineer

Testing Types: Manual, Functional, Regression, Integration, UI, API, and End-to-End Testing

Tools: Postman and Swagger (API testing and validation)

- Tested Event Reporting workflows, Audit Forms, and Investigation flows (Full and Slim), verifying functional accuracy and business rule compliance across web and mobile platforms
- Designed and executed test cases covering Action Item creation, update, and validation, confirming correct workflow states and data handling
- Designed and executed positive, negative, boundary, and error-handling test scenarios to validate application behavior under varied conditions
- Validated API requests and responses using Postman and Swagger, including array/object request structures and field-level validations
- Analyzed and verified API issues related to Update/Get Investigation functionality, and confirmed Action Item APIs were triggered correctly
- Validated auto-save functionality and verified audit items were accurately fetched and displayed, ensuring UI-backend data consistency
- Identified and reported UI, functional, and API defects with clear reproduction steps; retested resolved defects and performed regression testing
- Collaborated with developers and cross-functional team members to analyze and resolve defects, and verified fixes across environments and devices

ETRAKSYS – Employee Management System

Purpose: Web and mobile platform for employee attendance, check-in/check-out, incident reporting, and face validation

Role: Software Testing Engineer

Testing Performed: Functional, regression, integration, smoke, sanity, and UAT testing across multiple releases

Tools: Jira (defect tracking), Postman (API testing), SQL (database validation), Playwright (JavaScript)

- Designed and executed test cases for attendance tracking, check-in/check-out, incident reporting, and face-validation modules; validated backend data integrity and API functionality supporting the EMS workflow
- Built and ran Playwright (JavaScript) automation scripts to cover core web workflows, including login and attendance check-in/check-out, reducing repetitive manual regression effort
- Automated cross-browser validation of key EMS screens using Playwright, improving consistency of regression coverage across releases

TAR System

Purpose: System for product traceability, authentication, certification, and user management

Role: Software Testing Engineer

Testing Performed: Functional, regression, smoke, sanity, integration, and UAT testing across multiple releases

Tools: Jira (defect tracking), Postman (API testing), SQL (database validation)

- Designed and executed test cases for traceability, authentication, certification, and user-management modules; validated cross-browser/device compatibility and prepared test execution and defect summary reports for release readiness

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

2018 – 2022

- CGPA: 8.4/10

CERTIFICATIONS / TRAINING

- Playwright (JavaScript/TypeScript) Automation — Udemy, In Progress
- Testing from Scratch & Framework Design — Udemy, In Progress