

SHUBHAM SHENDE

QA Automation Engineer | Playwright | Selenium | Python | API & Backend Testing
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SUMMARY

QA Automation Engineer with 3 years of progressive experience in software testing, manual testing, and automation testing promoted across 3 roles within a single organisation. Specialises in building scalable Playwright and Selenium WebDriver frameworks using Python and Pytest, with strong expertise in REST API testing, end-to-end testing, and cross-browser testing. Proven track record of zero critical production defects, 30% reduction in manual regression effort, and 400+ structured test cases delivered across Agile Scrum environments. Skilled in CI/CD pipeline integration with GitHub Actions, defect lifecycle management in Jira, and AI-assisted testing workflows with full ownership from requirement analysis through release sign-off.

TECHNICAL SKILLS

- **Automation Testing:** Playwright, Selenium WebDriver, Playwright Codegen, Web Automation, End-to-End Testing
- **API Testing:** Postman, REST API Testing, JSON Schema Validation, Authentication Flow Testing, HTTP Status Code Verification, Request/Response Validation, Error Handling
- **AI-Assisted Testing:** MCP-Based Automation, AI-Orchestrated Script Generation, Intelligent Test Optimisation, Codex, Claude Code
- **Manual Testing:** Functional Testing, Regression Testing, Smoke Testing, Sanity Testing, Integration Testing, System Testing, UAT, Cross-Browser Testing, Negative Testing, Black Box Testing
- **Testing Frameworks & Language:** Python, Pytest, Page Object Model (POM), Data-Driven Testing
- **Methodologies:** Agile, Scrum, SDLC, STLC, Sprint Planning, Release Readiness, Stakeholder Coordination
- **Developer Tools:** Chrome DevTools, VS Code, Cursor
- **Databases:** SQL, MongoDB, Test Data Management, DB Assertion Testing
- **Version Control:** Git, GitHub
- **CI/CD & DevOps:** GitHub Actions, Docker, CI/CD Pipeline Integration
- **Bug Tracking:** Jira, Bug Lifecycle Management, Defect Triage, Root Cause Analysis, Severity & Priority Classification

EXPERIENCE

STUDIUM TECH PVT. LTD. | July 2023 - Present

Career Progression: Software Test Engineer → Quality Assurance Engineer → QA Analyst

QA Analyst | January 2026 - Present

- Architected production-grade E2E automation frameworks using Playwright, Selenium WebDriver, Python, and Pytest (POM + Data-Driven) delivering 50+ reusable test scripts across Web UI, regression, and smoke workflows.
- Pioneered MCP-based AI-assisted test automation integrating intelligent script generation into the QA pipeline, reducing manual test authoring effort by 40% and eliminating repetitive cycles across 3+ automation suites.
- Validated 15+ critical REST API endpoints via Postman covering token flows, JSON schema integrity, HTTP status codes, and error handling for end-to-end backend service reliability.
- Designed and executed RBAC test scenarios across 3+ user roles validating multi-role auth flows, session token handling, and permission-based feature gating across environments.

- Maintained CI/CD pipeline health via GitHub Actions resolving flaky test patterns across 3+ automation suites, enforcing zero-defect release gates, and coordinating build readiness across weekly sprint releases.
- Engineered cross-browser automation across Chromium scripting critical user journeys and optimising dynamic locators for test stability across 3+ environments.
- Drove Agile QA quality practices delivering risk assessments, acceptance criteria validation, and release sign-offs across sprint planning, stand-ups, and defect triage in Jira.

Quality Assurance Engineer | January 2025 - December 2025

- Initiated and scaled Selenium WebDriver + Python automation for high-priority regression workflows reducing manual test execution by 30% covering 20+ regression scenarios within 3 months.
- Executed Functional, Regression, Integration, Smoke, and Sanity Testing across 10+ product modules ensuring stable production releases with zero critical post-release defects across all sprint cycles.
- Designed and maintained 100+ test cases from functional specifications achieving full requirements-to-test traceability and maximum coverage across all critical user workflows.
- Established REST API testing standards using Postman defining validation patterns for auth workflows, JSON schemas, and HTTP status codes across 10+ backend endpoints.
- Validated MongoDB data integrity through database assertions verifying backend document structure and field values against expected application state post-API calls, catching data layer defects before production.
- Managed end-to-end defect lifecycle in Jira authoring 80+ detailed bug reports with reproduction steps, severity classification, root cause analysis, and verified fix closure.

Software Test Engineer | July 2023 - December 2024

- Executed functional, smoke, sanity, and regression testing across LMS and ERP web application modules validating core workflows, UI behaviour, and business logic against product requirements.
- Conducted UI/UX and cross-browser validation across browsers and platforms (Chrome, Firefox, Edge, Safari, Android) verifying layout consistency, navigation flows, and responsiveness.
- Performed black box testing on web and mobile application features validating inputs, edge cases, and user flows from the end-user perspective to ensure specification compliance.
- Designed and maintained 100+ test cases from business requirements and product specifications ensuring structured coverage across functional, negative, and boundary test conditions.
- Logged and tracked 80+ defects in Jira with detailed reproduction steps, screenshots, severity classification, and environment context following up through fix verification and sprint closure.
- Assisted in UAT coordination and post-release checks, validating product workflows against real-world client scenarios across client environments and confirming stable production behaviour.

EDUCATION

Master of Computer Applications (M.C.A.) | CGPA: 7.4 | **Sinhgad Institute of Management** | 2025

Bachelor of Computer Applications (B.C.A.) | CGPA: 8.3 | **Garware College of Commerce** | 2023