SHAILESH WAGHOLE

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Summary

Versatile Senior Software Quality Assurance Engineer with **5+ years of experience** delivering **95% automation coverage** and reducing **deployment time by 30%** across web, API, and backend systems. Skilled in **Selenium, Python, Java, RestAssured, Postman, and SQL**, with hands-on experience implementing **AI-driven testing using agentic workflows (n8n)** for autonomous test execution and intelligent test case generation. Proven track record leading QA efforts for scalable applications in **Agile environments**, with strong **CI/CD integration using Jenkins**, improving **defect detection by 25%**. Passionate about building **quality-first engineering cultures** in fast-paced Agile teams.

Experience

Freelancing

LabelBox Taiga AI Evaluator **06/2026 to 09/2026**

- Evaluated and benchmarked generative AI responses against strict technical rubrics, grading factual accuracy, instruction following, logical reasoning, and constraint adherence to guide reinforcement learning from human feedback.
- Conducted granular reviews of multi-turn conversational trajectories and chain-of-thought outputs, isolating subtle reasoning errors, edge-case failures, and hallucinations.
- Authored rigorous, high-signal comparative justifications and rewritten gold-standard responses, directly refining model safety, response conciseness, and persona alignment.
- Audited complex coding, mathematical, and algorithmic reasoning prompts to ensure model code correctness, compilation viability, and optimal execution logic.

Ermis Hindi Reviewing and Labler **09/2026 to 10/2026**

- Recorded and curated high-clarity Hindi voice datasets adhering to strict acoustic, phonation, and signal-to-noise ratio requirements for speech synthesis and recognition training.
- Generated, synchronized, and formatted time-stamped Hindi video subtitles, ensuring precise millisecond audio-to-video alignment and readable line breaks.
- Labeled multi-modal video content with contextual dialogue tags, speaker attributions, tone markers, and domain-specific terminology.
- Audited subtitle tracks and voice recordings for phonetic accuracy, grammatical consistency, and synchronization to maintain over 98% quality compliance across deliverables.

Mercer AI Evaluation from Handshake **10/2026 to Current**

- Evaluated and benchmarked AI-generated code and system architectures across core software engineering domains, assessing functional correctness, time/space complexity, and practical execution viability.
- Audited multi-step reasoning traces and autonomous coding agent workflows, identifying edge-case failures, compilation regressions, and logic bugs with reproducible inputs and proof of defects.
- Authored production-grade, gold-standard reference implementations and technical justifications to refine frontier models on complex algorithm design and enterprise coding tasks.
- Formulated structured technical feedback and rubric evaluations on system-level prompts, improving the model's reliability in following multi-file project constraints and enterprise engineering conventions.

Senior Quality Assurance Engineer **10/2023 to Current**
Comviva Technologies LTD

- Designed an **AI-powered automation framework** using **Agentic AI + MCP (Model Context Protocol)** with **n8n** for autonomous trigger-based test execution, dynamic test case generation, intelligent test data creation, and automated script generation — reducing manual test authoring effort by **40%**.
- Leveraged **LLM-driven agents** to autonomously analyze **APIs and UI flows**, generating regression scenarios and integrating **AI-based anomaly detection** to proactively identify flaky tests, coverage gaps, and high-risk regression zones — accelerating release validation cycles significantly.
- Spearheaded **end-to-end QA strategy** for complex web and API platforms, improving test coverage by **25%** and defect detection efficiency — ensuring full traceability and timely delivery across **Agile sprints**.
- Prioritized test execution based on **risk, business impact, and recent code changes** — achieved **100% coverage of critical features** and reduced high-severity production defects by **35%** during time-constrained release cycles.
- Built and maintained **hybrid automation frameworks (POM + Data-Driven)** using **Java, Selenium, TestNG, and Playwright (TypeScript)**, managing **1,200+ test cases** across platforms and reducing test maintenance effort by **40%**.
- Implemented **robust cross-browser UI automation** using **Playwright** across **Chromium, Firefox, and WebKit**, ensuring consistent behavior validation and seamless cross-platform compatibility.
- Designed strategies to handle **dynamic and AJAX-based web elements** using explicit waits, resilient locators, and retry mechanisms — reducing test flakiness by over **70%**.
- Designed and implemented **API automation** using **RestAssured**, enabling comprehensive validation of request/response cycles, authentication flows, and data integrity across integrated systems.
- Designed and optimized **CI/CD pipelines with Jenkins**, reducing deployment time by **30%**, enabling faster release cycles and minimizing manual interventions across environments.
- Collaborated closely with **developers and product teams**, reducing defect resolution time by **30%** through early defect identification, streamlined communication, and risk-based testing strategies.
- Applied **prompt engineering techniques** to guide LLM agents for context-aware test scenario generation, while continuously evaluating emerging **AI testing tools** to enhance framework intelligence and overall QA efficiency.

Software Quality Assurance Engineer **10/2021 to 09/2023**
Aivid Techvision Pvt. Ltd. **Ahmedabad, India**

- Developed robust API automation using RestAssured with Java (TestNG), covering over 150 endpoints and reducing backend defects by 35% through comprehensive request/response validation and data integrity checks.
- Executed end-to-end API testing using Postman and RestAssured, identifying 67+ high-impact defects, and significantly improving release quality across multiple projects.
- Configured Postman and Newman for quick API validation checks, enabling lightweight regression runs outside of the core automation suite.
- Developed and maintained automated UI test scripts using Selenium WebDriver with Java, achieving 95% automation coverage across multiple web applications, with reliable, maintainable test design.
- Integrated automation suites into **Jenkins CI/CD pipelines**, cutting regression testing time by **50%** and accelerating release cycles through trigger-based and nightly execution strategies.
- Built and maintained CI/CD pipelines with Jenkins for nightly and trigger-based regression runs, reducing manual testing effort by 30%, and ensuring consistent test execution across environments.
- Logged and tracked 300+ defects in JIRA with detailed reproduction steps and supporting evidence, improving developer turnaround time by 30%, and accelerating bug resolution across multiple Agile sprints.

Software Testing Engineer **06/2019 to 10/2021**
KPIT Technologies Pvt. Ltd. **Pune, India**

- Built a **Java-based automation framework using TestNG**, improving test execution efficiency by **35%** across functional and integration layers through structured, reusable, and maintainable test components.
- Contributed to a strong continuous testing culture by designing modular and reusable Java test components across sprints, reducing duplication, and improving long-term framework scalability.
- Conducted comprehensive **manual and automated testing for backend microservices** using **Java and REST API testing**, ensuring data consistency, API reliability, and end-to-end system integrity across integrated environments.
- Maintained detailed **traceability matrices, test plans, and execution reports** to support compliance, audit readiness, and full requirement coverage across release cycles.
- Collaborated closely with QA teams and developers through Agile ceremonies, pair testing, and detailed JIRA defect reporting, improving defect resolution turnaround by 30% and accelerating the delivery of high-quality builds consistently.

Skills

- MCP
- Agentic AI
- N8N
- GitHub Copilot
- Selenium
- Java
- TestNG
- Playwright
- TypeScript
- Robot Framework
- Pytest
- RestAssured
- Postman
- Swagger UI
- BDD
- Jenkins
- Maven
- Docker
- Git

Certifications

- Microsoft Certified GitHub Copilot
- Microsoft Certified Azure Fundamentals
- Microsoft Certified Azure AI Fundamentals
- AWS Certified Cloud Practitioner
- ISTQB Foundation Level
- Selenium WebDriver with Java (Udemy)

Education

Bachelor of Engineering: **Computer Engineering** **2021**
University of Pune

Achievements

- Received 'Credo Cap Award' for exceptional QA performance.
- Built automation frameworks that reduced regression time by 60%.
- Achieved 92% automation coverage across UI and API workflows.
- Detected and resolved a $200K payment defect before production.
- Mentored 4 junior engineers, improving sprint QA delivery by 25%.

Languages

English: C2
Proficient

German: A2
Elementary

Notice Period

Notice Period: Immediate Joiner

Websites, Portfolios and Profiles

linkedin.com/in/shaileshw6363/

Publications

- **AI-Driven Browser Automation with Comet: The Future of No-Code Testing**
  https://medium.com/@wagholeshailesh6363/ai-driven-browser-automation-with-comet-the-future-of-no-codetesting-4fbebf1b5ac4.
- **Building a Fully Online Data-Driven Automation Framework Using Robot Framework & Google Sheets**
  https://medium.com/@wagholeshailesh6363/building-a-fully-online-data-driven-automation-framework-usingrobot-framework-google-sheets-ddb2eff40b9a.