

TANIKA GUPTA

Quality Engineering Leader | Lead Automation Test Engineer | AI-Driven Automation Transformation

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PROFESSIONAL SUMMARY

Lead Automation Test Engineer with 13 years of experience designing scalable UI, API, and enterprise automation frameworks using Java, Selenium, Playwright, Rest Assured, and TestNG across Banking, Investment, Insurance, and Travel domains. Proven expertise in framework architecture, reusable automation libraries, parallel execution, API automation, and CI/CD integration using Jenkins, GitHub Actions, and Azure DevOps. Leveraged Generative AI and Agentic AI tools including GitHub Copilot, Claude, and Windsurf to accelerate test design, automation development, code reviews, and release quality engineering. Experienced in leading high-performing QA teams while remaining hands-on in automation architecture, technical mentoring, and quality engineering transformation.

PROFESSIONAL CERTIFICATIONS

ISTQB Certified Tester Foundation Level (CTFL) | Advanced Lean Six Sigma Yellow Belt (CSSC) | Certified Scrum Master (Scrum Alliance) | Certified Scrum Product Owner (Scrum Alliance) | AWS Certified Cloud Practitioner | Microsoft Certified: Azure Fundamentals (AZ-900) | Microsoft Certified: Security, Compliance and Identity Fundamentals (SC-900) | Microsoft Certified: Azure AI Fundamentals (AI-900)

AI ACHIEVEMENTS

- **ATA AI Test Hackathon 2026** by Agile Testing Alliance—**3rd Place**.
- Built an end-to-end AI-assisted Quality Engineering solution covering product understanding, user story generation, Playwright UI/API/E2E automation, AI-generated test cases, bug discovery, enhancement recommendations, coverage matrix and testing approach documentation.
- GitHub Project: github.com/tanika1/hospital-app-playwright-ui-api-hackathon

CORE SKILLS

Capability Area	Tools and Domain Strengths
Quality Leadership	QE strategy; release quality governance; risk-based test planning; test design, execution, reporting; RTM; quality metrics; defect trend analysis; stakeholder reporting.
Team & Delivery Management	10-member QA team leadership; hiring; onboarding; mentoring; performance reviews; sprint planning support; cross-functional delivery; UAT and client demos
Automation Frameworks	Selenium WebDriver; Playwright; Cypress; Cucumber BDD; Rest-Assured; Karate; TestNG; JUnit; ATDD; Opkey; Page Object Model ;Framework architecture, performance testing- Jmeter, Reusable libraries.
API, Backend & Contract Testing	Postman; SOAP UI; Swagger; REST API automation; backend validation; WireMock; MockServer; contract testing (PACT); integration validation
Programming & DevOps	Java; JavaScript/Typescript automation exposure; SQL; Maven; Jenkins, Bamboo; Azure DevOps; Docker; GitHub Actions; Bitbucket; SVN; CI-ready automation; quality threshold gates
Cloud & Infrastructure	AWS; Azure; AWS S3-backed artifact flows; environment validation; deployment readiness; basic Kubernetes concepts; vault server setup and testing
AI-Assisted QE	Windsurf AI; Microsoft Copilot; Claude, Codex, Postgode, Prompt Engineering ,LLM-based test generation;Agentic AI, MCP, Token Optimization, AI-assisted Code review; RCA ; acceptance-criteria validation; coverage gap analysis; self-healing tests.
Reporting & Test Tools	JIRA; quality dashboards; coverage dashboards; Datawatch; Applitools Eyes; JMeter; BlazeMeter; SauceLabs; SeeTest

PROFESSIONAL EXPERIENCE

BLACKROCK SERVICES INDIA PRIVATE LIMITED, Gurugram

Vice President | Sep 2024 - Present

Project: Exchange-Traded Fund (ETF) Servicing System

- Lead QE strategy for critical ETF servicing applications across UI, API, integration, and backend layers, aligning test coverage with business risk and release priorities.
- Manage a 10-member QA team while remaining hands-on in automation architecture, release assurance, stakeholder reporting, and engineering quality reviews.
- Architected the foundation for a Playwright automation framework from scratch with reusable architecture and CI-ready design for scalable UI automation.
- Aligned Docker-based Azure DevOps pipeline checks, regression readiness, and release validation with build and deployment acceptance criteria.
- Developed an AI-driven Release Quality Coverage Matrix using scope, PRs, impacted repositories, and documentation to identify gaps across unit, API, integration, and UI layers.
- Introduced AI-assisted workflows for test planning, edge-case generation, automation coding, PR review support, defect intelligence, and regression readiness, improving execution efficiency by approximately 30%.
- Reduced production defect leakage by 18-22% through AI-assisted coverage gap analysis and regression intelligence practices.
- Created acceptance-criteria validation and story debrief workflows to surface ambiguity, missing scenarios, dependencies, release risks, and recommended test focus earlier in delivery.
- Own release quality metrics, defect trend analysis, leadership reporting, recruitment, onboarding, mentoring, and performance reviews.

JPMORGAN CHASE & CO., Bangalore

Associate / AVP | Jun 2022 - Sep 2024

Project: Card Lending - Card Account Management

- Drove UI and API automation for card account management platforms using Selenium, Cucumber BDD, Java, and Rest-Assured.
- Implemented shift-left testing and ATDD practices that reduced late-cycle defects by approximately 25%.
- Designed dynamic automation baselines and coverage dashboards to improve sprint and release visibility for engineering stakeholders.
- Supported AWS S3-backed artifact flows and quality threshold gates to strengthen build deployment confidence.
- Used Kubernetes working knowledge, including pods, services, deployments, environment configuration, and logs, to support issue triage with engineering teams.
- Validated deployment readiness through automation pass criteria, functional/API regression results, defect trends, and release-quality sign-offs.
- Reviewed PRs and mentored team members on clean automation design, maintainable test code, and stronger scenario coverage.
- Delivered functional, contract, visual, regression, marketing experiment, A/B, user-targeting, Dark Canary, incremental rollout, web, and mobile-app testing.

KPMG GLOBAL SERVICES PVT. LTD., Bangalore

Assistant Manager | Oct 2021 - Jun 2022

Project: Digital Gateway Landing, Data Collect, TPECI

- Contributed to functional and automation testing within a distributed onshore/offshore QA team, supporting delivery commitments, sprint execution, and quality governance.
- Improved sprint predictability and reduced rework through stronger estimation, risk-based test planning, and defect analysis.
- Partnered with cross-functional teams to clarify requirements, resolve quality risks, and improve release readiness.
- Led recruitment, staff management, supervision, mentoring, delivery oversight, process improvements, and defect analysis.

ONESHIELD INDIA PVT. LTD., Gurugram
Senior Software Engineer - QA | Jan 2020 - Oct 2021
Project: Policy Acquisition System, Data Conversion

- Led data conversion and backend testing initiatives for insurance platforms, validating data quality, environment readiness, and application behavior.
- Designed data-driven automation frameworks with Selenium and Cucumber, reducing manual regression effort by approximately 35%.
- Performed vault server setup and testing for Policy Acquisition System environments.
- Supported client demos, quality reviews, reusable automation assets, structured test data, and disciplined defect reporting.

YATRA ONLINE PRIVATE LTD., Gurugram
Senior Software Engineer - QA | Feb 2017 - Jan 2020
Project: Corporate Systems, Corporate Authenticators & Approval System, Configuration System, Trip Planner
Clients: Flipkart, Deloitte, Havells, ICICI Bank, Axis Bank, PwC, Fujitsu, Airtel, and generic enterprise systems

- Led end-to-end QA for enterprise travel clients across functional, API, regression, and release validation activities.
- Developed scalable API automation frameworks using Rest-Assured, Java, and TestNG, and trained internal teams on framework usage.
- Developed data-driven automation frameworks from scratch using factory-pattern-based design to improve maintainability and reuse.
- Prepared and reviewed RTMs, test plans, scenarios, cases, defect reports, test summary reports, and sprint closure reports.
- Delivered configuration-system training and client demos to support adoption, issue resolution, and release confidence.

NUCLEUS SOFTWARE EXPORTS LIMITED, Noida
Test Engineer | Sep 2013 - Feb 2017
Project: FinnOne NeoCAS
Clients: DCB Bank, Abu Dhabi Housing Authority, Saudi Hollandi Bank, Idemitsu Cambodia, ICICI Bank, APLUS Japan, NSEL Noida

- Executed functional, regression, automation, and UAT-support testing for global banking product implementations across multiple geographies.
- Supported client go-lives by validating business-critical lending workflows, defects, fixes, and release readiness.
- Developed strong expertise in banking domain QA, test documentation, defect lifecycle management, UAT support, and client-facing delivery.

EDUCATION

- B.Tech, Electronics and Communication Engineering, AKGEC Ghaziabad, UPTU | 2013 | 76.30%
- Intermediate, STDBV Ghaziabad, CBSE | 2009 | 89.60%
- High School, STDBV Ghaziabad, CBSE | 2007 | 87.80%

AWARDS

- ATA AI Test Hackathon 2026 by Agile Testing Alliance— Secured 3rd Place.
- Chasers Award - Extra Miler, Q2 FY23, JPMorgan Chase
- Excellence Award - KPMG Consulting Wow Awards, Q1 and Q2 FY22
- Rock Star Award - Demo success contribution
- Nucleite of the Month, January 2015
- Annual Team Award - Power of One for NeoCAS DCB project, July 2015
- Milestone Award - 3 Years of Service with Nucleus Software