

BHARAT VARSHNEY

QA Leader | GEN AI | Team Mentor | Agentic AI | Functional & Automation Testing | Quality Assurance

Forward-focused professional with expertise in strengthening Quality Assurance functions, leveraging Gen AI-driven approaches, and mentoring teams to deliver high-quality software in fast-paced environments.

Industry Preference: QA/ Tech Lead in Software Testing; Location Preference: Delhi NCR or Remote Opportunity

✉ bharatvarshney567@gmail.com

☎ +91 8368557666

🌐 linkedin.com/in/bharatvarshney/

🐙 github.com/BharatVarshney12

Executive Profile

- A dedicated & result-oriented professional with **10+years** of rich & extensive experience in Software Testing, IT Project Execution & related operations across **Fintech, Mobile Application (Native, Web, Hybrid), HealthCare, Telecom, E-Commerce**.
- Adjusted & applied technical expertise in SDLC/STLC entailing Automation Testing, Validation Testing, Compatibility Testing; different types/levels of testing such as Functional & Non-functional Testing, System Testing, Regression Testing, Integration Testing, Smoke Testing, Sanity Testing & Black Box Testing.
- Proficient in STLC with expertise in defining test strategies, creating test plans, scenarios, and data, along with executing and validating tests. Skilled in QA frameworks, test cases, traceability matrices, risk mitigation, and QA process improvement.
- Hands-on experience with GenAI, RAG, vector databases, and prompt engineering, applied in real projects to build intelligent QA workflows, contextual chatbots, and automation utilities that improved efficiency and product quality.
- Integrated MCP with GenAI to automate QA workflows (test data generation, summarization, defect analysis) and built a RAG-based chatbot using vector databases for contextual QA support, improving efficiency and release speed.
- Acquired proficiency in **Playwright**, applying it to **projects** to enhance end-to-end testing capabilities and improve test coverage across various web applications.
- Architected & implemented a robust automation framework using **Maven**, optimizing project structuring and dependency management; proficient in utilizing **GitHub and Jira** for effective version control and team collaboration in distributed settings.
- Technocrat with a key role in creating robust test automation suites for **microservice**-based applications, utilizing cloud technologies and containers (**Docker**); proficient in Linux/Unix systems with expertise in **security testing, particularly web security vulnerabilities (OWASP)**.
- Experience with one or more of the following tools and frameworks – LangChain, LangGraph, OpenAI Assistants API, AutoGen, etc.
- Own and define the end-to-end QA strategy, test planning, and quality metrics for AI and non-AI systems.
- Experienced in facilitating and participating in key **Agile ceremonies** such as sprint planning, daily stand-ups, sprint reviews, backlog refinement, and retrospectives. Leveraged **Agile methodologies** like **Scrum, Kanban** to ensure smooth project execution, foster team collaboration & **continuously improve processes**, resulting in enhanced product quality and timely delivery.
- Ability to convince & articulate **technical concepts** to **non-technical stakeholders** and influence decision-making.
- Resolved challenges during **test framework development** through diligent research & problem-solving.
- Understanding of AI evaluation metrics, hallucination detection, and prompt testing techniques.
- Integrate QA processes into CI/CD pipelines to enable continuous testing and rapid feedback loops.

Technical Skills

- Automation Tools & Technologies:** Selenium WebDriver, Playwright, BDD (Cucumber), API Testing, REST Assured, Katalon Studio, Selenium Grid, Docker, Linux, Sonarqube
- API Tools & IDE Tools:** Postman, JMeter, Blazemeter, Swagger, Eclipse, Cursor, Claude, Copilot, Gemini.
- Testing & Technologies:** Automation (API, WEB, Mobile), Functional & Non-functional, Compatibility, Performance Testing, Security Testing (Basic), POM, Kibana, Rest & SOAP APIs, Microservices, Log verification, Newman, GA, Crashlytics, UI/UX, Clevertap, Charles proxy
- Programming Languages:** Java & Python
- Cross-Browser Testing:** BrowserStack, LambdaTest, Test Sigma, TestGrid
- Database Testing:** MySQL, AWS Athena, Aurora DB, Snowflake
- Testing Report:** Extent report, Allure report, Cucumber- HTML report, TestNG report, Report Portal
- Bug Tracking & Test Management Tools:** JIRA, Confluence, Zypher, Xray
- Other Tools:** Git, Jenkins, Gen-AI, N8N

Certifications

- Certified ISTQB Fundamental
- Certified AWS AI Fundamental
- Certified DevOps from KodeKloud
- Certified Google Cloud Generative AI Leader
- LambdaTest Software Testing & Automation Testing Professional Certificate

Education Details

B.Tech. (Electronics & Communication) from UPTU University in 2015

Core Competencies

Generative AI	Agentic AI Framework
RAG Implementation	Prompt Engineering
Low Code/No Code	MCP Server
Requirement Gathering & Analysis	Critical and Contextual Thinking
Issue Investigation	Project Planning & Execution
AWS Cloud, Azure DevOps	Continuous Integration & Deployment
Risk Assessment & Mitigation	Reporting & Documentation
Technical Collaboration	Client/ Stakeholder Management
Team Collaboration	Leadership & Team Management

Key Skills

- Excellent Verbal and Written Communication
- Strong Analytical, Troubleshooting & Problem-Solving skills
- Effective Collaboration & Interpersonal skills
- Negotiation & Conflict Resolution
- Time Management, Multi-tasking
- Mentorship & Quick Learning
- Flexibility, Empathy, and Adaptability
- Customer Focus & Innovation
- Self-Motivated Learner

Personal Details

Date of Birth: 16th October 1993
Languages Known: English & Hindi

Professional Experience

Jan'22 – Till Now: AArete Technosoft Pvt. Ltd. as Technical QA lead

Key Result Areas:

- Built and deployed a local LLM solution using Ollama with end to end RAG architecture.
- Experience working with Large Language Models (LLMs), including various prompt engineering techniques, word embeddings and vector databases. Azure stack (AI Search, OpenAI) and understanding of Agentic Architecture is a plus.
- Test GenAI / LLM-based systems including hosted and open-source model integrations.
- Define and execute AI-specific testing strategies including hallucination detection, prompt drift and regression testing, model consistency, and adversarial scenarios.
- Validate non-deterministic behaviors, probabilistic outputs, and prompt-based workflows.
- Establish QA standards, test frameworks, and quality gates across data pipelines, AI/ML models, GenAI prompts and workflows, and application services.
- Designed and implemented a proof of concept for an agentic AI driven application, gaining hands-on experience across the development lifecycle.
- Created two automation use cases using n8n to streamline and support project level processes.
- Leveraging extensive experience in software testing, OOPs principles are applied to design and develop robust UI and API automation frameworks using Selenium and Rest Assured, with the Page Object Model (POM) integrated into the framework to enhance performance, scalability, and efficiency. TestNG is utilized to manage test execution and reporting, enabling parallel execution to further optimize testing time and improve overall efficiency.
- Presenting strategic leadership in optimizing cloud-based solutions and enhancing automation frameworks using AWS tools and best practices to improve efficiency and refine testing methodologies.
- Promoted the migration of the framework to modern technologies, including acquiring proficiency in Playwright to enhance end-to-end testing capabilities and improve test coverage across various responsive web applications, ensuring greater efficiency and platform compatibility.
- Utilizing strong attention to detail to analyze problems, identify root causes, and propose solutions, demonstrating expertise in locators, particularly XPath.
- Collaborated closely with cross-functional teams to embed QA requirements into project specifications, consistently report on quality metrics and status, and established a knowledge-sharing platform to foster continuous development.
- Actively participating in project kick-off and weekly meetings with the project management and development teams, supporting UAT teams and addressing client concerns during daily interactions.
- Persuading teams to adopt "shift-left" initiatives to enhance quality earlier in the development process and implemented prioritization techniques to focus testing on critical areas.
- Driving process improvements to enhance testing methodologies and efficiency while creating and maintaining comprehensive QA documentation for clear procedures and knowledge sharing.
- Take ownership of the test estimation Process and deliver estimates as per the defined SDLC.
- Guide the team on integrating AI into the QA lifecycle, from intelligent test generation to AI-assisted triage, acting as the catalyst for adopting next-gen QA practices.

Highlights:

- Pioneered improvements that increased product test coverage and effectiveness by 30%, while accelerating project delivery by streamlining testing processes, achieving a 15% improvement and minimizing development delays.
- Successfully led a cross-functional teams to elevate customer satisfaction, resulting in a 50% increase in positive feedback and a 20% reduction in complaints.
- Designed and implemented a robust Test Automation Framework covering UI, API Testing, and DB verification; optimized testing procedures, leading to a 25% decrease in bug identification time and enhancing product reliability.
- Validate data quality used for model training, fine-tuning, and inference pipelines.
- Validate correctness, explainability, and transparency of AI outputs
- Implement AI-driven automation (self-healing tests, intelligent failure analysis)

Oct'20 – Jan'22: RenewBuy as Sr. QA Engineer

Key Result Areas:

- Devised and executed detailed test plans, strategies, scenarios, and test scripts in alignment with acceptance criteria.
- Thoroughly assessed user stories, use cases, and requirements to ensure accuracy, practicality, and alignment with project goals.
- Managed comprehensive application testing including functional & non-functional, regression, retesting, database, load, RESTful Web Services with Postman & ETL testing of SaaS applications to ensure quality & reliability.
- Engineered and implemented testing strategies for microservices, integrating automated test suites into CI/CD pipelines via GitHub Actions. Optimized workflow efficiency, minimized manual testing, and accelerated reliable deployments.
- Worked with engineering leaders to promote an automation-first approach, reducing manual efforts and enhancing overall testing efficiency, while also actively participating in sprint meetings to align tasks and deliverables for smooth project progression.
- Act as the primary point of contact for clients, addressing their queries, and ensuring high customer satisfaction throughout the project lifecycle..

Oct'18 – Sept'20: Test Engineer in Noble House

Sept'16 – Oct'18: QA Engineer in Rosmerta Technologies Pvt. Ltd.

Oct'15 – Sept'16: Software Test Engineer in Tolexo Online Pvt. Ltd.

Significant Accomplishment Across the Career

- Acknowledged for receiving the AWS AI certification, Google Cloud Gen AI Leader, showcasing a strong grasp of AI tools and technologies and their application in software testing and quality assurance.
- Actively engaged in the LambdaTest Conference, gaining valuable insights into cutting-edge industry trends & best practices in automation, while staying abreast of emerging technologies in software quality assurance.
- Achieved a top 5 position on the LambdaTest Conference leaderboard and won the Social Media Challenge, showcasing expertise in software testing and excellence in knowledge sharing and community engagement.
- Rewarded as "Top Performer of the Quarter" at the current organization, reflecting consistent excellence in delivering high-quality software testing results and contributing to the team's success.
- Attained the Exceptional Performer Award & selected as a BrowserStack Champion for outstanding contributions.
- Honored as the Star of the Month, showcasing a commitment to excellence & achievement in the workplace.
- Dedicated member of the Test Tribe & Shiftsync community providing countless learning opportunities and remarkable growth, fostering a deep enthusiasm for active participation and contribution in this vibrant group.

Professional Projects

Payment Gateway One Step Checkout - Tolexo.com (A B2B e-commerce platform powered by IndiaMart)

- Verified accurate updating of order databases and inventory systems after successful payments, and test API responses under different scenarios like successful payments, failures, and timeouts.
- Ensured seamless integration of various payment gateways (credit/debit cards, net banking, wallets, UPI) with the e-commerce platform, validating transaction flow from checkout to payment confirmation.
- Steered load & stress testing to ensure the application can handle peak traffic (goal: support 100,000+ concurrent users with minimal performance degradation).
- Conducted rigorous testing for responsiveness across multiple devices and browsers while identifying, documenting & tracking payment-related bugs using test management tools like JIRA to ensure prompt resolution with development teams.
- Tested retry mechanisms for network failures, validated failover systems to ensure continuous payment functionality during server outages or gateway downtime.
- Worked closely with developers to design and implement robust APIs, using Swagger for endpoint validation and mocking, and leveraged Postman to enhance testing efficiency and defect detection through effective test case creation and bug reporting.

Automation Framework

- Developed a Java-based automation framework that reduced testing effort by 60%, testing time by 40%, and manual efforts, while increasing automation coverage by 30% and regression test coverage by 5%, and enhancing software quality by 25% through SonarQube integration for code quality monitoring and implemented a utility to automatically re-run failed test cases on the regression suite.
- Architected an innovative Jenkins Plan for Automation Testing Project, delivering a 25% reduction in testing cycle duration & a 30% uptick in test accuracy metrics.
- Reduced flaky tests by 70% to ensure reliable and consistent results, while also enhancing test coverage with video recording and screenshots to improve issue diagnosis and debugging time by 40%.
- Produced an in-depth Test Completion report detailing 98% test coverage, 12 critical issues resolved, and 5 new features tested; instrumental in meeting project milestones and ensuring product quality.
- Enhanced collaboration and code management by leveraging Git version control, which improved real-time code visibility and team communication, resulting in a 10% increase in development efficiency and fewer merge conflicts.