

# Nikhil Garg

Technical lead at HCL Technologies, Pune

07276561520 || [nikhilgarg855@gmail.com](mailto:nikhilgarg855@gmail.com) || [Linkedin](#) || [Github](#)

## Summary

Results-oriented **Technical lead** with over 10.9 years of experience blending strategic leadership with hands-on automation. Expert in designing scalable automation frameworks, CI/CD integrations, and DevOps pipelines. Proven track record of managing QA teams (10+ members), driving client communication, requirement gathering, and delivering end-to-end quality solutions across Banking, Security, and E-commerce domains. Equally effective as a people leader and individual contributor, with a passion for continuous improvement and stakeholder satisfaction.

## Skills

- **Test Automation & QA Strategy:** Selenium, Cucumber, TestNG, JUnit, Rest-Assured, Postman, ReadyAPI, WireMock, Faker
- **Frameworks & Testing Models:** Hybrid, BDD/TDD, POM, Data-driven, API-first testing
- **Leadership & Team Management:** Team mentoring, stakeholder engagement, performance reviews, capacity planning, QA process improvement
- **Client & Stakeholder Engagement:** Requirement gathering, customer calls, sprint demos, UAT support, escalation management
- **Programming & Scripting:** Java, SQL, JavaScript, HTML, XML, JSON
- **Version Control & Build Tools:** GitHub, Perforce, Jenkins, Maven
- **CI/CD & DevOps:** AWS, Azure DevOps, Docker, Kubernetes, Selenium Grid, CodePipeline, CloudWatch, Github Actions
- **Process & Quality Management:** Agile, Scrum, Test Planning, RCA, Defect Triage, Risk Mitigation, Test Metrics
- **Operating Systems & Environments:** Windows, Linux, VMware
- **Domain Expertise:** Banking, Security, E-commerce, Assessment Platforms
- **AI & Generative Testing:** Prompt engineering, LLM output validation, token analysis, text-to-image/video tools, Gen AI integration
- **Soft Skills:** Analytical thinking, cross-functional collaboration, effective communication

## Professional Experience

**HCL Technologies** - Technical Lead

July 2021 – Present || Clients:- [SHL](#) (Assessment), [Norton antivirus](#) (Security)

**Team Size:** Managed 10+ QA Engineers (Automation + Manual)

**Role:** Individual Contributor, Delivery Owner, Tech Lead, Stakeholder POC.

### Responsibilities:

- Led validation efforts for **LLM-driven** features, focusing on output consistency, prompt stability, and response token accuracy across diverse prompt types.
- Developed automation test scripts for AI-based recommendation and scoring systems, ensuring fairness, accuracy, and transparency of model behavior.
- Led automation efforts for the testing team, **achieving a 30% increase in test efficiency**.
- Implemented automated test scripts for UI, system, functional, integration, and regression testing, ensuring comprehensive test coverage.
- Conducted troubleshooting and root cause analysis for identified defects, significantly reducing the software release cycle time.
- Designed and implemented a scalable Selenium Grid on AWS EC2 with auto-scaling and real-time monitoring using CloudWatch, reducing test execution time by 40% and enhancing cross-browser coverage.

- Integrated REST Assured API tests and Selenium automation into AWS Code Pipeline/ Code Build, streamlining CI/CD processes and ensuring continuous quality deployment across dynamic cloud environments.
- Specialized in API automation testing using Cucumber, TestNG, and Rest-Assured contributing to a stable release cycle with a 20% reduction in post-release defects.
- Contributed to Agile cross-functional teams, actively participating in sprint planning, daily stand-ups, and sprint reviews, aligning testing efforts with Agile principles.
- Developed and implemented test strategies to align with business objectives.
- Generated comprehensive test reports focusing on clarity and detail, providing stakeholders with valuable insights into test coverage, results, and defect tracking.
- Revamped test automation suites, resulting in a 20% increase in test coverage, ensuring more thorough testing.
- Leveraged WireMock Server for API mocking in dynamic test environments.
- Designed test data strategy using Faker, reducing data-related test failures.
- Managed cross-functional teams and coordinated with stakeholders to ensure quality delivery.
- Mentored a team of 10 automation engineers, resulting in a 40% increase in overall team productivity and a smoother workflow.
- Played a pivotal role in the successful implementation of Automation Architecture in various projects.
- Oversaw the entire testing lifecycle from requirements analysis to final sign-off.

**Environment:** Selenium, Java, Rest-assured, Postman, JIRA, zephyr, MySQL workbench, GitHub, putty, Jenkins, Maven, Process Improvement, Project Management, Gen AI testing, docker, Kubernetes, SQL, Oracle, API, core java, Strategic Planning, Communication, Problem-Solving, Analytical Thinking, IntelliJ IDEA, VS code.

---

**Veritas Technologies** - SQA Engineer

**Project:** [Information Studio](#) | | July 2019 – July 2021

**Responsibilities:**

- Spearheaded the development and maintenance of automated testing frameworks, enhancing test coverage and execution efficiency for UI, system, functional, and regression testing, resulting in a 25% reduction in testing time.
- Conducted extensive testing on Linux-based systems, demonstrating a deep understanding of Linux commands.
- Worked in a fast-paced environment, handling multiple tasks simultaneously with minimal supervision.
- Collaborated with stakeholders to develop comprehensive test cases for product features in the security domain.
- Implemented and executed test plans for various types of testing, ensuring product quality and reliability.
- Led the integration of automated tests into CI/CD pipelines, ensuring a seamless and reliable deployment process.
- Effectively utilized JIRA and TestRail for test case management and defect tracking.
- Utilized advanced debugging techniques and tools to promptly identify, isolate, and resolve software defects, ensuring the integrity of the software development life cycle
- Identified and resolved critical defects 15% faster through efficient automation practices, minimizing the impact on software release cycles.

**Environment:** JIRA, Zephyr, core java, Jenkins, Maven, HTML, Selenium WebDriver, Java, TestNG, agile, scrum, Eclipse IDE, docker, Rest-Assured, postman, API, BDD, TDD, hybrid framework, faker wiremock.

---

**Responsibilities:**

- Played a pivotal role in software testing, focusing on Functional Testing, Regression, and User Acceptance Testing.
- Collaborated effectively with product managers and business stakeholders, ensuring clear communication and understanding of testing requirements.
- Responsible for **writing and maintaining** Selenium WebDriver scripts for regression and functional testing using the **data-driven framework**.
- Involved in designing an automation **framework** for UI testing with Selenium.
- Executed browser **compatibility and regression tests** using **Selenium WebDriver** for testing UI for every new build release.
- Interacted and communicated with business analysts, project managers, developers, internal/external clients and senior management to manage issues throughout the software testing life cycle using **Agile and Waterfall methodologies**.
- Utilized business cases, system requirements and design specifications documents to **execute test strategies**.
- Performed **functional tests** using **Selenium WebDriver** with the data-driven framework and documented results.
- Collaborated with cross-functional teams to conduct thorough testing through all phases, guaranteeing software stability and quality.
- **Identified, Reported and Tracked Defects** using the Quality Center test management tool.
- Manually **tested, verified and validated** that the product meets user requirements.
- **Developed and executed SQL queries** to verify the proper insertion, deletion and updates into the Oracle supporting tables.

**Environment:** JIRA, Zephyr, core java, Jenkins, Maven, HTML, Selenium WebDriver, Java, TestNG, agile, scrum, Eclipse IDE, docker, Rest-Assured, postman, API, BDD, TDD, hybrid framework, faker, wiremock.

**Education**

---

B.E. in Information & Technology-2014. University of Pune, India.

**Certifications**

---

- ★ Fundamentals of Generative AI from Microsoft Azure.
- ★ Generative AI on AWS essentials.

**Contact Details**

---

- Phone No: 07276561520
- Email: [nikhilgarg855@gmail.com](mailto:nikhilgarg855@gmail.com)
- LinkedIn: <https://www.linkedin.com/in/garg-nikhil/>
- GitHub: <https://github.com/garg-nikhil>