

Nabila Shakeel

Senior QA Engineer | Manual & Automation Testing |

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Professional Summary

Senior QA Engineer Senior QA Engineer with over 7 years of experience in manual and automation testing across web, mobile, and API platforms. Proven expertise in designing and executing functional, regression, and integration tests for transaction-based and data-intensive systems. Skilled in API validation (REST, GraphQL, WebSockets), CI/CD pipeline integration (Jenkins, GitLab), and shift-left testing practices. Strong background in financial and Web3 QA environments with hands-on experience in crypto wallet integrations, ensuring reliability and precision in fast-paced development cycles..

Core Skills

- **Test Design & Planning:** Business requirements analysis, test strategy creation, test case design, regression planning, UAT coordination
- **Test Automation:** Selenium (Java), Cypress (Python), Cucumber, TestNG, automated regression suites, Jenkins, JUnit, AWS, ITIL
- **Manual Testing:** Functional, regression, integration, system, UAT, security, cross-browser & device validation, white-box testing
- **API & Performance Testing:** Postman, Swagger, JMeter, OWASP ZAP
- **Defect & Test Management:** Jira, Qase, HP QC/ALM, Mantis, Azure DevOps, Trello, Asana, Basecamp, Freedcamp
- **ERP & SaaS Testing:** Finance, HCM, Healthcare IT, PIAM, hospitality, education, and enterprise SaaS platforms
- **Infrastructure & Systems:** IT systems management (hardware/software installation, configuration, troubleshooting), QA environment setup, cloud testing, security & compliance validation
- **Databases & Version Control:** SQL Server, SQL Yog, Git
- **AI/ML & Generative AI Testing:** Model output validation (accuracy, relevance, bias), conversational AI testing, prompt engineering validation, LLM workflow testing
- **CI/CD & Cloud AI:** Automated pipelines, AWS AI/ML services, cloud-based model validation

- **Collaboration & Agile Practices:** Agile methodologies, sprint planning, cross-functional collaboration
- **Other Expertise:** WordPress frameworks & plugins, knowledge base and end-user documentation

Work Experience

Senior Software QA & System Engineer (Freelance Contract) (Feb 2024 – Present)

- Developed and executed test strategies for AI-driven platforms, Web3 Product validating, Generative AI outputs for accuracy, safety, and reliability.
- Advocate of shift-left testing practices, integrating test cases early within CI/CD pipelines for faster defect detection. Designed regression and performance test cases for LLM-based systems and API-driven AI services
- Integrated automated testing within CI/CD pipelines using Jenkins and Git for continuous validation.
- “Collaborated with developers, product owners, and SDETs to plan and execute feature-level test cases across web and API systems.
- Applied ITIL-aligned QA processes for defect tracking and release
- Verification. Developed, imported, and managed manual test scripts using Excel and test management tools (Jira, Qase).
- Prepared end-user documentation, FAQs, and knowledge base content

Software QA & IT Engineer – SoloInsight Pvt. Ltd. (Dec 2019 – Jul 2024)

- Collaborated with QA Managers, Business Analysts, and Developers to review requirements and improve testability.
- Automated APIs using Cucumber and Python, reducing regression workload by 30%.
- Performed validation testing in compliance with healthcare and regulatory standards (HIPAA Compliance)
- Developed and maintained test automation frameworks for web and API testing
- Performed detailed manual testing on ERP finance modules and healthcare apps across web and mobile.
- Conducted extensive API testing using Postman and Swagger for backend validation.
- Configured CI/CD pipelines (Jenkins, GitLab CI) for continuous testing integration.
- Performed non-deterministic testing of AI features, ensuring consistency, fairness, and bias detection. Hands-on experience validating REST APIs, WebSockets, and GraphQL endpoints for backend integrations and data integrity.
- Executed functional and regression testing on ERP Finance modules, ensuring accuracy in transactions and reporting for financial systems..

Senior QA Engineer – 1 Machine Pvt. Ltd. (Dec 2018 – Nov 2019)

- Specialized in US Healthcare IT, ensuring HIPAA and EMR compliance.
- Conducted functional, integration, regression, load, and mobile testing.
- Developed QA documentation including test plans, Test Strategy, cases, and defect logs.

- Validated ERP Finance and transaction modules; tested workflows comparable to teller systems, digital banking platforms, consumer lending, and account opening solution
- Collaborated on AI-enabled healthcare applications, validating NLP-driven data extraction and ML model accuracy
- Performed validation testing in compliance with healthcare and regulatory standards (HIPAA, EMR, CFR 21 Part 11)

Software QA & System Engineer – Imperial Soft Pvt. Ltd. (Oct 2016 – Oct 2018)

- Tested HMIS, ERP, and back-office systems.
- Automated regression tests with Selenium to optimize QA cycles.
- Validated UX/UI and reported results to stakeholders.
- Validated applications built on ASP.NET MVC / .NET Core stack for functionality
- Collaborated in Agile sprints to align QA with development.
- Explored early automation for ML-driven healthcare systems, validating data pipelines and model-based outputs

IT & QA Engineer – Ashtex Solutions Pvt. Ltd. (Oct 2014 – Aug 2016)

- Developed and executed test plans and defect reports, end-user documentation/ knowledge base.
- Created and maintained Test Strategy document
- Performed system, regression, and user acceptance testing.
- Ensured stability and quality across multiple web and desktop applications.

Key Projects & Domains

- **Cloud-Based Identity & Access Management Platform** – Contributed to a modular PIAM solution used by Fortune 500 companies, ensuring seamless identity lifecycle management, visitor access, and compliance with enterprise-grade security standards.
- **Enterprise Recognition & Security Solutions** – Tested and validated real-time recognition platforms with advanced security features, focusing on system stability, performance, and user data protection.
- **Hospital & Healthcare Applications** – Conducted QA and IT system validation for healthcare apps ensuring HIPAA/EMR compliance, patient data integrity, and secure system performance.
- **Educational & Campus Management Systems** – Executed functional, system, and regression testing for school/university ERP solutions, including modules for academics, attendance, finance, and administration.
- **Hospitality & Club Management Systems** – Performed QA and IT validation for membership, billing, and event management platforms tailored for hospitality industries.

- **Generative AI & LLM Testing** – Designed test strategies for LLM-based workflows, validated conversational AI outputs, and implemented bias/safety checks for AI-driven platforms
 - **Business Intelligence & Reporting Tools** – Validated BI dashboards, analytics tools, and data pipelines to ensure reporting accuracy, system performance, and usability across enterprise environments.
 - **Cybersecurity & Access Control** – Engaged in penetration and compliance testing for privileged access management solutions, validating secure authentication, authorization, and activity monitoring.
 - **Human Resource & Payroll Systems** – Ensured functionality, integration, and compliance of HR, payroll, and workforce management systems, including automation of critical QA workflows.
 - **Mobile Applications (Android & iOS)** – Led QA cycles for consumer-facing apps such as meal planners and productivity apps, covering API validation, performance benchmarking, and device compatibility.
 - **ERP & Back-Office Applications** – Conducted regression automation and IT troubleshooting for ERP modules including finance, procurement, and inventory systems. Validated transaction modules and data consistency in ERP and financial systems, ensuring accuracy similar to order matching and trading environments
 - **Cybersecurity Testing** – Performed vulnerability assessments and performance/security tests with tools like OWASP ZAP, JMeter, and Fiddler to strengthen enterprise-grade solutions.
 - **Banking & Financial Systems** – Banking & Financial Systems – Validated ERP Finance and transaction modules; tested workflows comparable to teller systems, digital banking platforms, consumer lending, and online account opening solutions
 - **Other Domains** – Cyber security (RevBits Privileged Access Management), US/Canadian Healthcare (HIPAA), RPA Testing (Mesmer HQ), QA Trail Tool (Jira Clone), SaaS ERP & HCM
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Education

- MBA – Information Technology Management | Allama Iqbal Open University, Pakistan | 2014 – 2017
 - Bachelor of Computer Sciences | University of the Punjab, Pakistan | 2009 – 2011
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Languages

- English (Fluent) & Urdu (Native)