

SHUBHAM GAUR

Senior Test Engineer

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PROFESSIONAL SUMMARY

Senior SDET/ Test Automation Engineer with 4+ years of experience in **building scalable automation frameworks** and **AI-assisted QA solutions** for enterprise software across healthcare and finance domains. Skilled in **test strategy design, framework architecture and development**, and **AI/ML integration** to analyze failures and enhance quality. Proficient in **C#, Python, Java**, and modern test tools like **Selenium WebDriver, Appium, Playwright** and **Postman/ RestAssured for API testing**. Adept at **Agile testing, CI/CD integration**, and **shift-left quality engineering**, with a passion for improving test efficiency and driving innovation in automation practices.

CORE COMPETENCIES

- **Languages and Frameworks:** C#, Python, Java, Selenium, Appium, Playwright, NUnit, TestNG
- **Testing Expertise:** Test Automation, Functional Testing, Non-Functional Testing, System Testing, End-to-End Testing, Regression Testing, API Testing (REST APIs), SQL DB Testing
- **Testing Platforms:** Web Applications, Desktop Applications
- **Automation Test Reporting:** Extent Reports, HTML Reports, Log Analysis, Azure Integrated Reports
- **API & Tools:** Postman, RestAssured, Azure DevOps, HP ALM, Git, JIRA, Visual Studio, VS Code
- **Specialization:** AI/ML in Test Automation, GenAI (Prompt Engineering), Optical Character Recognition (OCR), Framework Architecture
- **Methodologies:** Agile, Scrum, Shift-Left Testing, Test Strategy Design, Test-Driven Development (TDD), Behavior-Driven Development (BDD), Quality Metrics, Root Cause Analysis
- **Core Concepts:** OOPs, Data Structures & Algorithms, Distributed Computing, System Design
- **Soft Skills / Leadership:** Cross-Functional Collaboration, Stakeholder Communication, Mentorship & Team Development, Analytical Problem-Solving

EXPERIENCE

Senior Test Engineer

HCLTech (formerly Becton Dickinson), Chandigarh | 2023- Present

- Designed and implemented **hybrid and keyword-driven test automation frameworks** using **C#, Python, Selenium WebDriver, and Appium** with integrated **Extent Reports**, laying a scalable foundation adopted across multiple projects.
- Built an **AI-based localization testing solution**, integrating **Optical Character Recognition (OCR)** for screenshot text extraction and multilingual validation, significantly reducing defect leakage and improving translation accuracy.
- Developed **quality metrics dashboards** and **integrated test automation into Azure DevOps CI/CD** pipelines, enabling **Azure-integrated reporting** to visualize automation health and release readiness.

- Collaborated across functional teams to implement **shift-left testing** and align automation with evolving product requirements.
- Mentored junior engineers, conducted code reviews, and enforced **Git-based version control** best practices.
- Optimized framework performance through **refactoring** and **modularization**, reducing execution time by 50%.

Projects:

- **Keyword-Driven Framework - Healthcare Application:** Developed a **keyword-driven test automation framework** from scratch for a desktop-based syringe pump data application, enabling reusable, keyword-based test creation with **built-in logging**. Scaled it later to support verification of **cloud-based** projects.
- **Hybrid Localization Verification Framework:** Created a hybrid **localization testing framework** to validate UI and document text against expected translations maintained in **Microsoft Excel** and enhanced with **HTML-based reporting** to capture translation discrepancies. Integrated **AI-based OCR verification** to extract and compare on-screen text with reference data, introducing **machine learning-driven validation** for multilingual coverage.

Test Engineer

Coforge, Greater Noida | 2021 - 2023

- Performed **manual functional, non-functional, and end-to-end testing** for enterprise financial applications.
- Designed and implemented **automation test suites** using **Java, Selenium** — architecture incorporating **Excel-driven data handling** and **Extent Reports** based execution dashboards to enhance visibility and reduce manual testing effort.
- Contributed to **test planning, defect analysis, and root cause identification**, driving collaboration between QA and Dev teams.
- Performed **Database Validations (MySQL)** and **REST API testing** using **Postman** to verify **JSON schema, request/response payloads** and functional correctness.
- Tracked issues in **JIRA** and **Azure DevOps**, ensuring end-to-end traceability from test case to deployment.

Projects:

- **Hybrid Framework– Automobile Website:** Designed a **hybrid test automation framework** using **Java, Selenium, and TestNG** to validate modules like **Customer Relations, Purchase, and Maintenance**. Integrated **Excel-driven data management** to simplify test data handling and **reduce manual effort** across releases.

EDUCATION

Bachelor's in Computer Science Engineering | Chandigarh University, Gharuan

Session: 2017-2021 | 7.86 CGPA

12th (CBSE) | Kendriya Vidyalaya, Chandigarh

Session: 2016-2017 | 87%

10th (CBSE) | Kendriya Vidyalaya, Chandigarh

Session: 2014-2015 | 10 CGPA