SAURABH THAKUR

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Senior QA Engineer / SDET

LinkedIn: www.linkedin.com/in/saurabh-thakur1190 | GitHub: https://github.com/arivsaurabh1190-QA

Sr. Quality Analyst

Senior QA Engineer & SDET with over 7 years of experience specializing in high-complexity US Healthcare IT, EMR/EHR data pipelines, and HIPAA-compliant system architectures. Architected scalable Python + Playwright and SQL test automation frameworks, accelerating regression execution cycles while validating high-throughput ETL data flows across enterprise systems. Proven expertise in end-to-end API testing, automated data reconciliation, and continuous integration via GitHub Actions to maintain zero defect leakage in critical healthcare integration platforms.

CORE SKILLS

Automation and CI: Playwright (Python), Pytest, Page Object Model, Fixtures, API Test Automation, Git, GitHub Actions, Parallel Test Execution, AI-Assisted Test Automation

API and Data: Postman, SQL, Data Validation, Source-to-Target Reconciliation, ETL and Migration Testing,

Testing: Functional, Integration, System, End-to-End, Regression, Smoke, Sanity, UAT, Exploratory, Risk-Based, Non-Functional

Strategy and Delivery: Test Strategy and Planning, V&V, Root Cause Analysis, Defect Triage, Release Validation, JIRA, Zephyr, Confluence, Agile and Scrum

Healthcare Domain: EMR/EHR Workflows, HIPAA-Aware Validation, Lab Integrations, Interoperability, HL7, Epic, Cerner, Allscripts, Athenahealth and eClinicalWorks environments

Business Analysis: Requirements Elicitation, User Story Writing, Process Mapping, UAT Support, Stakeholder Collaboration

AI and Tools: GitHub Copilot, ChatGPT and LLM Prompt Engineering for QA, Google AI Tools, Claude/Claude Code

WORK EXPERIENCE

ELLKAY India Software Pt. Ltd. • Ahmedabad • 07/2018 - 09/2025

Senior Quality Analyst

- Owned test strategy and V&V across various healthcare data platforms (EMR Archive, LK Transfer, CareEvolve, Black Box Integrations, LKOasis, LKOpera, LKOrbit) for US hospital networks and diagnostic labs, delivering zero critical defects across major releases.
- Validated LK Transfer, an interface platform with reusable templates, end to end: configuration, data transfer, error handling and backend results.
- Tested a CareEvolve laboratory portal and interface proof of concept, covering request/response behavior, integration workflows, database results and negative scenarios.
- Reconciled source and target patient records during large-scale migrations using SQL and ETL validation, flagging missing, duplicate and inconsistent data.
- Validated API contracts with Postman and traced data across UI, API and database layers, exposing interoperability gaps and mismatches in field mapping, identifiers and status transitions.
- Led system verification with end users and stakeholders, working with Business Analysts and Product Managers on requirements review, sprint planning and UAT readiness.
- Verified data accuracy, reliability and integrity across HIPAA-compliant workflows and audit trails; managed

defects from triage to closure.

Value Chain Solutions Pt. Ltd. • Ahmedabad • 01/2017 -7/2017

Junior Business Analyst

- Mapped end-to-end user flows for maritime logistics applications, improving requirement clarity and reducing downstream rework.
- Elicited and documented business requirements in collaboration with cross-functional stakeholders, contributing to a reduction in scope creep.
- Supported UAT cycles and functional validation, ensuring delivered features met client expectations and regulatory requirements.
- Improved documentation quality and SDLC handoff processes, enabling faster sprint execution across teams.

Automation Projects

Playwright + Python + Pytest Framework

- Designed a Page Object Model framework that separates page behavior from test scenarios, with reusable page objects, Pytest fixtures and centralized configuration.
- Separated test data from test logic so scenarios can be extended without touching page code.
- Built reusable fixtures for browser and page setup, with stable locators and assertions across homepage, login and registration workflows on a public web application.
- Configured a GitHub Actions pipeline to install dependencies and Playwright browsers, run Pytest on every repository change, and keep traces and results from failed runs for debugging.

AI-Assisted Testing

- Used [tool, e.g. ChatGPT or GitHub Copilot] to generate edge-case test data and test ideas then reviewed and corrected the output before use.

EDUCATION

Post Graduate Diploma in Advanced Computing (PG-DAC)

CDAC • Pune • 01/2016

Bachelor of Technology in Computer Science and Engineering

Geetanjali Institute of Technical Studies, Udaipur (Rajasthan Technical University) • Udaipur • 01/2008 - 01/2012

CERTIFICATIONS

Google AI Professional Certificate • 01/2026

Google

Playwright Python Automation: Zero to Expert • 01/2026

Udemy

Build Your First E2E Test with Playwright • 01/2026

Microsoft

AWARDS

ELLKAY Spirit Award

ELLKAY India Software Pt. Ltd.