Sahil Sharma (**Automation QA Lead)**

Contact Information

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Career Objective

Results-driven Automation QA Lead with 10 years of experience in QA engineering, specializing in test automation, performance testing, CI/CD pipeline integration, and security testing. Proficient in developing scalable automation frameworks using Cypress and Playwright with JavaScript/TypeScript, and skilled in identifying vulnerabilities aligned with OWASP standards using tools like Burp Suite. Adept at collaborating with cross-functional teams to deliver secure, high-quality software solutions on time and within budget. Hands-on experience with AI-assisted and agentic test automation using Playwright Test Agents and Model Context Protocol (MCP) to reduce manual scripting, improve test resilience, and automate test maintenance workflows.

Highlighted Projects

- Cypress SEO Automation – Automated SEO validations for navigation URLs, breadcrumbs, canonical tags, and redirects. [GitHub Repo](#)

- Playwright Checkout Tests – End-to-end checkout flow automation covering authentication, basket creation, and payment methods. [GitHub Repo](#)

Technical Skills

Test Automation

- Cypress (JavaScript/TypeScript), Playwright, Playwright Test Agents (MCP-based), Testrigor

AI-Assisted Test Automation

- Playwright Test Agent, Model Context Protocol (MCP)
- Agentic workflows for test planning, generation, self-healing, and maintenance
- Prompt-driven exploratory testing, smoke testing, and regression stabilization

Performance Testing

● JMeter (GUI and Non-GUI), BlazeMeter, Flood.io

API Testing

● Cypress, Postman, JMeter

CI/CD Integration
● Jenkins, GitLab, Azure Devops, Docker (Used to package Automation stack with all dependencies into standardized containers)

Cloud Technologies

● AWS: Step Functions, Lambda, DynamoDB, MySQL, AWS SDK

Version Control

● Git, GitHub

Security Testing & Tools

● **Web Vulnerabilities:** Information Disclosure, IDOR, Broken Access Control, Path Traversal, Cookie Manipulation, CSRF, OAuth 2.0, Injection Attacks (SQLi, Blind SQLi, Time-based SQLi, Command Injection, HTML Injection), XSS (Reflected, Stored, DOM), SSRF (incl. Blind), XXE, CSP bypass techniques.

● **Bug Hunting & Analysis:** Information Gathering, Endpoint Discovery, Hidden Path Discovery, HTTP headers/methods/status codes, Input parameters, Code analysis.

● **Tools & Utilities:** Burp Suite (Proxy, Repeater, Intruder, Collaborator), FeroxBuster, DevTools, WSL.

Management & Collaboration Tools

● JIRA, ADO, Asana, Trello, Testrail

Testing Methodologies

● Agile (Scrum), Waterfall, SDLC/STLC

BDD Frameworks

● Cucumber

Professional Experience

Norwin Technologies – Senior Automation QA Engineer
18th March,2025 – 15th September, 2025

- Automated frontend flows and backend APIs using Playwright for the Krispy Kreme client, validating checkout processes and multiple payment methods.

- Designed and integrated Playwright test jobs into Azure DevOps CI/CD pipelines, streamlining continuous testing.

- Implemented a hybrid automation approach combining UI flow validation with API submission checks for credit card and alternative payments.

- Conducted basic security testing using Burp Suite on APIs to identify vulnerabilities and strengthen security.

- Collaborated with DevOps and development teams to enhance pipeline efficiency, security posture, and overall test coverage.

- Applied AI-assisted automation using Playwright Test Agents and MCP to explore UI flows, generate test logic, and improve resilience against selector and UI changes.

- Used agent-based workflows to reduce manual test maintenance effort and stabilize regression and smoke test suites.

Publicis Sapient – Lead Automation Tester

(Parent company: Quess Corp)
December 2023 – 17th March,2025

- Architected and implemented a scalable test automation framework from scratch for the URL Manager module using Cypress (JavaScript/TypeScript).

- Architected and implemented a scalable test automation framework from scratch for the Sitemap Validation module using Playwright (TypeScript).
- Led a team of QA engineers in designing, developing, and maintaining a comprehensive test automation framework.
- Integrated Allure reports with Cypress and the CI/CD pipeline for capturing test case status.
- Automated backend REST API testing using Cypress and the AWS SDK.
- Tested DynamoDB tables after scanning them from AWS and validated the scanned data using Cypress.
- Tested Lambda functions and Step functions in AWS.
- Collaborated with developers to ensure effective integration of automation testing into the development lifecycle.

- Performed cross-platform testing and verified product data using Lucidworks (Fusion).
- Analyzed testing tasks and determined automation coverage for CI/CD integration.
- Facilitated UAT/SIT sessions and coordinated Go-Live strategies.
- Developed and maintained test plans, test cases, and traceability matrices.
- Evaluated and experimented with agent-based automation approaches to complement traditional Cypress and Playwright frameworks for faster test creation and maintenance.

ITX Web Solutions – QA Manager

January 2023 – November 2023

- Managed end-to-end quality assurance processes for web and mobile applications. ● Designed and built a scalable test automation framework from scratch using Playwright (JavaScript/TypeScript).
- Led the QA team in planning, designing, and executing comprehensive test strategies.
- Developed and maintained test plans, test cases, and traceability matrices. ● Oversaw the execution of manual and automated tests, ensuring thorough test coverage.
- Monitored and analyzed test results, identified defects, and tracked their resolution. ● Collaborated with developers, product owners, and stakeholders to ensure timely issue resolution.
- Developed and maintained Cypress automation frameworks for functional and regression testing.
- Facilitated UAT/SIT sessions and coordinated Go-Live strategies.
- Conducted performance testing with JMeter to identify and resolve bottlenecks. ● Collaborated on sprint planning and prioritized deliverables for timely execution.

Aquatec Innovative Pvt. Ltd.: QA Manager (August 14, 2018 – November 28, 2022)

- Led the development and implementation of a comprehensive test automation strategy for the projects.
- Identified suitable test automation tools and frameworks based on project requirements. ● Defined guidelines and best practices for test automation.
- Collaborated with development and product teams to understand requirements and design comprehensive test plans.
- Created and maintained test cases and test scripts for automated testing. ● Ensured proper test coverage across different aspects of the software. ● Designed, developed, and maintained a scalable and robust test automation framework using Cypress and TypeScript.
- Implemented reusable components and libraries to enhance the efficiency of test script development.
- Kept the automation framework up-to-date with changes in the application.

● Utilized Postman and Cypress for both automated and manual API
testing. ● Oversaw the execution of automated test scripts.
● Monitored test runs and analyzed results to identify defects and areas for improvement. ●
Collaborated with the development team to prioritize and address identified issues. ● Integrated
automated tests into the CI/CD pipeline for continuous and automated testing using Jenkins.
● Ensured that automated tests run reliably and efficiently as part of the build and deployment
process.
● Coordinated with cross-functional teams, including developers, product managers, and
other QA team members.
● Communicated test progress, results, and potential risks to stakeholders. ● Conducted
regular meetings to discuss automation strategy and address any challenges. ● Provided
guidance and mentorship to members of the automation testing team. ● Conducted training
sessions to enhance the skills of team members in test automation. ● Continuously assessed
and improved the overall quality assurance process. ● Implemented best practices and
process improvements to enhance the effectiveness of the QA team.
● Maintained documentation for test plans, test cases, and automation
scripts. ● Ensured that documentation is up-to-date and accessible to team
members.
● Performed Load and stress testing using JMeter.

The Brihaspati Infotech Pvt. Ltd. – Software Tester

August 2017 – August 2018

● Performed manual testing, including functional, regression, and system testing. ●
Developed and executed test cases, logged defects, and tracked their resolution.
● Participated in code reviews and provided feedback to developers.
● Gained experience in Agile methodologies and participated in sprint planning meetings.

Oditi Global Solutions Pvt. Ltd. – Software Tester

April 2015 – July 2017

● Performed manual testing, including functional, integration, regression, and
user acceptance testing.
● Analyzed requirements and developed test cases based on
specifications.
● Executed test cases, logged defects, and tracked their resolution.
● Participated in requirement gathering and analysis sessions.

● Collaborated with developers to resolve issues and ensure timely delivery.

Key Projects

Krispy Kreme – Digital Wallet & Payment Automation

● Automated Digital Wallet module and Mobile App flows using Playwright. ● Validated checkout and payment modules across multiple payment methods: Credit Card, GPay, and Apple Pay.
● Tested wallet top-up functionality, ensuring funds were correctly added via different payment methods.
● Automated validation of rewards and gift card modules, covering accrual, redemption, and balance checks.
● Integrated Playwright test suites into Azure DevOps CI/CD pipelines, enabling continuous validation of wallet and payment features.
● Leveraged AI-assisted exploratory and agent-based automation concepts (Playwright Test Agent / MCP) to improve test resilience and reduce manual maintenance in dynamic UI flows.
● Conducted basic API security testing using Burp Suite, focusing on vulnerabilities like IDOR, SQL Injection, XSS, and Broken Access Control in wallet and payment APIs.

Lululemon

● Conducted ETL testing, validating the accurate extraction, transformation, and loading of data from BCC and PCM to Fusion (Lucidworks).
● Verified data integrity and field mapping between source systems (BCC and PCM) and the target system (Fusion).
● Tested the data flow and transformation logic, ensuring that data is accurately converted and loaded into Fusion as per business requirements.
● Validated data consistency and accuracy in DynamoDB after data ingestion from BCC and PCM.
● Developed and implemented a Cypress-based automation framework to validate Metadata, Slugs, and SEODS components.
● Architected and implemented a scalable test automation framework from scratch for the Sitemap Validation module using Playwright (TypeScript). ● Integrated Allure reporting and Cypress stages into the GitLab CI/CD pipeline for continuous testing.
● Automated backend REST API testing using Cypress and the AWS SDK. ● Tested DynamoDB tables after scanning them from AWS and validated the scanned data using Cypress.
● Tested Lambda functions and Step functions within the AWS

ecosystem.

Pocket Geek Device Monitoring

● Led quality assurance efforts for PocketGeek Home, a mobile application developed by

Assurant, a Fortune 500 company.
- Conducted end-to-end testing of the mobile and web applications across various platforms and devices.
- Performed comprehensive testing of databases and GraphQL APIs. ●
Conducted static and functional testing, as well as in-depth analysis of website analytics and brand marketing data.
- Designed and built a scalable test automation framework from scratch using Playwright(TypeScript).
- Utilized JIRA and ADO for defect tracking, triage, and root cause analysis. ● Developed and maintained an automation framework using Cypress with JavaScript and TypeScript.
- Monitored project deliverables, established quality assurance strategies, and oversaw technical design.
- Served on the Change Control Board to prioritize and address client-requested requirement changes.
- Conducted load and performance testing using JMeter.
- Assisted in project planning and scheduling, coordinating activities and resources across development, design, and QA teams.
- Tracked project progress and reported on key performance indicators. ● Contributed to the development of project documentation, including plans, status reports, and risk assessments.
- Collaborated with clients for business requirement gathering, analysis, and sprint/tech grooming.
- Participated in Program Increment (PI) and sprint planning.
- Ensured on-time delivery of work products.
- Conducted User Acceptance Testing (UAT) and System Integration Testing (SIT) with business users.
- Developed and documented Business Requirements Documents (BRDs), Functional Requirements Documents (FRDs), Test Plans, and Test Strategies. ● Constructed and executed test data sets.

MyCEO SaaS Platform

- Developed and implemented a comprehensive test automation strategy for the MyCEO SaaS platform, offering features such as unlimited phone calls, lead management, and website creation.
- Collaborated with development and product teams to define testing requirements and design comprehensive test plans.
- Created and maintained test cases and scripts for automated testing, ensuring comprehensive test coverage.
- Designed, developed, and maintained a scalable test automation framework using Cypress and TypeScript.
- Utilized Postman and Cypress for both automated and manual API testing. ● Oversaw the execution of automated test scripts, analyzed results, monitored test runs, and collaborated with developers to address identified issues.
- Integrated automated tests into the CI/CD pipeline using Jenkins for continuous testing. ● Coordinated with cross-functional teams, communicated test progress, and managed risks.

● Provided guidance and mentorship to members of the automation testing team. ● Continuously assessed and improved the overall QA process. ● Maintained comprehensive documentation for test plans, test cases, and automation scripts. ● Conducted load and stress testing using JMeter.

Lafz E-commerce Store

● Developed and executed automated test scripts using Cypress, covering functional and non-functional aspects of the e-commerce application.
● Collaborated with the QA team to plan test strategies and identify areas suitable for automation.
● Maintained and updated test scripts to accommodate application
changes. ● Identified, documented, and reported software defects.
● Collaborated with developers to troubleshoot and verify fixes.
● Integrated automated tests into the CI/CD pipeline for continuous testing. ● Executed automated test scripts, analyzed results, and generated comprehensive test reports. ● Worked closely with developers, QA engineers, and stakeholders to ensure software quality.
● Adhered to best practices for test automation, maintained coding standards, and contributed to improving testing processes.
● Shared knowledge and expertise in Cypress automation within the team. ● Evaluated and integrated new tools and technologies into the testing process. ● Designed test cases and scenarios based on specifications and requirements. ● Conducted manual testing, including functional, regression, and ad-hoc testing.
● Documented and reported bugs with detailed steps to reproduce.
● Conducted regression testing to ensure the stability of existing functionalities. ● Collaborated with stakeholders to communicate issues and prioritize bug fixes. ● Maintained test documentation, including test cases, test plans, and test reports. ● Verified bug fixes provided by developers.
● Evaluated software usability, including interface navigation and user experience. ● Ensured cross-platform compatibility across different browsers and devices. ● Assisted in performance testing to identify potential bottlenecks. ● Conducted basic security checks to identify common vulnerabilities. ● Provided feedback on the testing process and suggested improvements to methodologies.

Education

Bachelor of Technology (Electronics and Communication Engineering)

● **Institution:** Chandigarh Group of Colleges

Achievements

- Developed and implemented a test automation framework that reduced regression testing time by 80%.
- Consistently received accolades for delivering high-quality software within deadlines. ● Mentored and trained QA teams in automation strategies, improving overall team efficiency.
- Performed security validation on APIs using Burp Suite, identifying and reporting potential OWASP vulnerabilities.

Personal Skills

- Excellent verbal and written communication.
- Strong problem-solving and analytical skills.
- Adaptable to new tools, technologies, and environments.
- A proactive team player with leadership capabilities.