

# Haris Irfan

SQA Automation Architect | AI Automation Engineer  
Karachi , Pakistan

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## Professional Summary

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Results-driven Software Quality Assurance (SQA) Automation Engineer with **5+ years of experience** in Manual Testing, Test Automation, API Testing, Mobile Testing, Performance Testing, and Quality Engineering. Experienced in designing, developing, and maintaining scalable automation frameworks using **Playwright, Selenium, Appium, C#, JavaScript, and .NET** for enterprise web, mobile, and API applications.

Currently focused on **AI-powered Quality Engineering**, developing **AI Agents** and **Model Context Protocol (MCP) Server** integrations to automate QA workflows, including test case generation, test script creation, requirement analysis, defect analysis, and user story validation. Passionate about leveraging **Generative AI** to modernize software testing, streamline engineering processes, and accelerate the delivery of reliable, high-quality software solutions.

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## Contour Software

### Senior SQA Automation Analyst

January 2026 – Present

#### Responsibilities:

- Designed, developed, and maintained scalable automation frameworks using **Playwright (JavaScript), Selenium (.NET), and Appium** for web, mobile, and API applications.
- Automated end-to-end, regression, smoke, sanity, functional, and integration test scenarios, significantly improving test coverage and reducing manual testing effort.
- Developed and executed **REST API automation** using Playwright API Testing and Postman to validate backend services and ensure application reliability.
- Integrated automated test suites into **Azure DevOps CI/CD pipelines**, enabling continuous testing and accelerating software delivery.
- Built **AI Agents** for **UI/UX Testing, API Testing, Unit Testing**, and automated QA processes, capable of generating test cases, creating automation scripts, validating user stories, analyzing defects, and providing intelligent testing recommendations using Generative AI.
- Designed and developed **custom Model Context Protocol (MCP) Servers** tailored to automation frameworks, enabling seamless integration between AI assistants and testing tools for intelligent automation workflows.
- Collaborated with Product Owners, Developers, and Business Analysts to analyze user stories, define acceptance criteria, and create comprehensive test strategies, test cases, and automation scripts.

- Performed functional, integration, system, exploratory, and database testing, ensuring software quality across the Software Development Life Cycle (SDLC).
- Executed SQL queries for backend data validation and integrity checks, ensuring accurate business logic and application behavior.
- Identified, documented, tracked, and verified software defects using Azure DevOps while working closely with development teams to ensure timely resolution.
- Mentored junior QA engineers and interns on automation best practices, Playwright, Selenium, API testing, and Quality Engineering principles.
- Leveraged **Cursor AI**, **Claude**, and **GitHub Copilot** to accelerate end-to-end test automation development, code generation, debugging, test maintenance, and intelligent QA workflows, significantly improving engineering productivity.
- Developed AI-driven solutions to automate repetitive QA activities, including requirement analysis, test scenario generation, impact analysis, and regression test selection, reducing manual effort and improving release efficiency.
- Evaluated and implemented emerging AI technologies, Large Language Models (LLMs), and AI-assisted development tools to modernize software testing and enhance Quality Engineering practices.
- Participated in Agile ceremonies, including Sprint Planning, Daily Stand-ups, Backlog Refinement, Sprint Reviews, and Retrospectives, ensuring quality is embedded throughout the development lifecycle.
- Leading the performance testing of **MES application**, focusing on system stability, load handling, and scalability using **JMeter** and **NBomber**.
- Utilizing **AzureDevOps** for development and testing task management, ensuring smooth transitions to UAT and production environments.

## Contour Software

### SQA Automation Analyst

January 2024 – December 2025

#### Responsibilities:

- Developed and maintained scalable automation frameworks and test scripts using Playwright (JavaScript), Selenium (.NET), and Appium for web, mobile, and API applications, improving test coverage and execution efficiency.
- Executed functional, regression, smoke, sanity, integration, end-to-end, and Build Acceptance Testing (BAT) for every software build to ensure stability and release readiness.
- Designed and automated REST API test scenarios using Playwright API Testing and Postman, validating API functionality, business logic, and backend integrations.
- Collaborated with Product Owners, Developers, and Business Analysts to analyze requirements, prepare test cases, execute SQL database validations, manage defects in Azure DevOps, and support Agile development processes.
- Performed localization testing across multiple languages, including Spanish, German, French, Finnish, and Italian, ensuring accurate translations, UI consistency, and localized functionality.
- Integrated automated test suites into Azure DevOps CI/CD pipelines, maintained test environments and execution pipelines, and continuously enhanced automation frameworks and testing processes to improve software quality and reduce manual effort.

**Contour Software**  
**Junior SQA Analyst**  
**Responsibilities:**

**October 2021 – December 2023**

- Performed end-to-end functional, regression, Build Acceptance Testing (BAT), localization, and role-based security testing for a web-based Manufacturing Execution System (MES) application used in the food science and pharmaceutical industries.
- Created comprehensive test cases, analyzed user stories, executed Agile sprint testing, and managed defects and test cases using Azure DevOps to ensure maximum test coverage and software quality.
- Developed and maintained automated test scripts and frameworks using Playwright, Selenium, Cypress, and Appium, leveraging C#, JavaScript, TypeScript, and Java to automate functional, regression, and requirement-based testing.
- Increased regression automation coverage through framework enhancements, code refactoring, data-driven automation, and integration with Azure DevOps CI/CD pipelines.
- Executed Build Acceptance Testing (BAT), regression testing, and user story validation across multiple localized versions of the application, including English, Spanish, German, French, Italian, and Finnish, ensuring consistent functionality and user experience.
- Collaborated closely with QA engineers and developers to report and verify defects, maintain testing documentation, update lessons learned, and continuously improve testing processes and automation standards.

**Contour Software**  
**SQA Trainee**  
**Responsibilities:**

**July 2021 – October 2021**

- Performed end-to-end functional, regression, Build Acceptance Testing (BAT), localization, and role-based security testing for a web-based Manufacturing Execution System (MES) application in the food science and pharmaceutical industries, ensuring high-quality software releases.
- Created and executed manual test cases, analyzed user stories, identified functional and non-functional defects, managed test cases and defects in Azure DevOps, and collaborated with developers to validate bug fixes and maximize regression test coverage.
- Increased automation coverage by developing C# Selenium automation scripts and executed BAT, regression, bug verification, and user story testing across multiple localized versions of the application, including English, Spanish, German, French, and Italian. Resolved technical challenges, improving operations and consistently delivering **exceptional service** to both clients and internal teams.

**Meezan Bank Limited**  
**Intern Software Developer**  
**Responsibilities:**

**June 2020 – October 2020**

Application Development using ASP.Net MVC, Api's, Entity framework and Database Development on MS SQL Server.

# Technologies & Skill

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**Programming Languages:** C#, JavaScript, TypeScript, SQL  
**Test Automation:** Playwright, Selenium WebDriver, Appium, BDD  
**Reporting:** Allure and Extent  
**API Testing:** Playwright API, Postman, REST APIs, Swagger  
**Performance Testing:** JMeter  
**AI & Generative AI:** AI Agents, Model Context Protocol (MCP), Cursor AI, Claude AI, GitHub Copilot, OpenAI APIs.  
**DevOps & CI/CD:** Azure DevOps, GitHub Actions, CI/CD Pipelines, Jenkins, Docker  
**Cloud:** Microsoft Azure  
**Test Management:** Azure DevOps, Jira, Click up  
**Databases:** Microsoft SQL Server, MySQL, SQL, Oracle, Postgres  
**Development Tools:** Visual Studio, Visual Studio Code, Cursor IDE  
**Methodologies:** Agile (Scrum), Waterfall, SDLC, STLC, Shift-Left Testing  
**Testing Expertise:** Functional, Regression, Smoke, Sanity, End-to-End (E2E), Integration, System, API, Mobile, Localization, Build Acceptance Testing (BAT), User Acceptance Testing (UAT), Database, Security, Cross-Browser, and Cross-Platform Testing.

# Education

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| <b>Mohammad Ali Jinnah University (MAJU)</b>                |  |                            |
| ➤ <b>Master of Science in Software Engineering – MSSE</b>   |  | September 2022 – July 2024 |
| ➤ <b>CGPA: 3.78</b>                                         |  |                            |
| <b>Mohammad Ali Jinnah University (MAJU)</b>                |  |                            |
| ➤ <b>Bachelor of Science in Software Engineering – BSSE</b> |  | Feb 2018– Feb 2022         |
| ➤ <b>CGPA: 3.69</b>                                         |  |                            |

# Certifications

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- **Certified Scrum Product Owner (CSPO®)** – Scrum Alliance *(Feb 2026 – Feb 2028)*
- **Certified Scrum Professional (CSM®)** – Scrum Alliance *(Apr 2025 – Apr 2027)*
- **Introduction to Model Context Protocol (MCP)** – Anthropic *(Jan 2026)*
- **Microsoft Certified: Azure AI Engineer Associate (AI-102)** – Microsoft *(Nov 2025)*
- **Microsoft Certified: Azure Administrator Associate (AZ-104)** – Microsoft *(Sep 2024)*
- **A4Q® Foundation Level Tester for Appium** – iSQI Group *(Nov 2023)*
- **ISTQB® Certified Tester Foundation Level (CTFL)** – ISTQB® *(Apr 2022)*
- **Playwright Automation Testing with JavaScript** – Udemy
- **PMI® Risk Management Professional (PMI-RMP)** – Project Management Institute
- **Scrum Foundation Professional Certificate (SFPC®)** – CertiProf