

MUHAMMAD AHSAN KHAN

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Software Test Engineer

ISTQB Certified SQA Lead and current **MSc Software Science** student at the **University of Florence** with **3.5+ years of experience** in manual and automated testing. Expert in building **Playwright frameworks** and leading junior teams to deliver high-quality iOS, Android, and Web solutions. Proven track record in managing Azure Cloud migrations on schedule and optimizing test management workflows via MS DevOps. Recently recognized for identifying critical logic and validation defects for leading Italian firms including **Dedalus** and **Treedom**.

WORK EXPERIENCE

SQA Engineer • Full-time Nasfia Pvt Ltd

Karāchi, Sindh, Pakistan
03/2023 – 10/2025

<https://nasfia.com.pk/> <https://hprime.com.au/>

- **Served as Technical Lead** for a team of 2 junior engineers, providing mentorship in **Playwright automation** and standardizing **ISTQB-compliant** bug reporting.
- **Directed** the SQA strategy for a full-scale **Azure Cloud migration**, completing all quality benchmarks within the projected timeline and ensuring a stable production environment.
- **Utilized MS DevOps** as the primary ALM tool to manage the **Defect Lifecycle** and ensure 100% requirements traceability.
- **Managed Test Case suites** within MS DevOps, ensuring full requirements traceability and organized execution for every release cycle.
- **Orchestrated** the end-to-end release of high-traffic mobile applications for **iOS and Android**, maintaining a **99% crash-free rate** through rigorous integration testing.
- **Collaborated in Agile sprints** via MS DevOps Boards, providing daily QA status updates and coordinating with developers to ensure timely blocker resolution.
- **Engineered a scalable automation framework** using **Playwright and C# .NET**, which reduced manual regression testing time by **40%**.

SQA Engineer / Project Coordinator • Full-time QBS Co

Karāchi, Sindh, Pakistan
01/2022 – 02/2023

<https://www.qbsco.net/>

- **Authored 100+** comprehensive test plans and defect reports, ensuring **100% traceability** between business requirements and software deliverables.
- **Accelerated** the "Go-Live" phase of a major **CRM system** by collaborating cross-functionally to resolve critical blockers 15% ahead of schedule.
- **Optimized** mobile app reliability across multiple hybrid platforms using **Browserstack**, resulting in a significant decrease in post-launch user-reported bugs.

EDUCATION

Masters of Science MSc in Software Science and Technology • University of Florence

Florence, Italy •
09/2025 – Present

Bachelor of Science – BS in Software Engineering • Indus University Karachi • GPA: 3.19 CGPA

Karachi, Pakistan •
02/2018 – 04/2022

CERTIFICATIONS

ISTQB® Foundation Level Pakistan Software Testing Board (PSTB)

02/2025

Agile Testing	01/2024
LinkedIn	
Software Testing Foundations: Bug Writing and Management	01/2024
LinkedIn	
SQA Foundation	10/2021
Xinsof	

PROJECTS

Vino.com Automation Framework (POC)	01/2026
Independent / Personal Portfolio	
Built and published a C# .NET automation framework on GitHub for Vino.com to demonstrate modern testing strategies.	
<ul style="list-style-type: none"> • Engineered a robust automation framework using C# .NET and Playwright to demonstrate professional-grade e-commerce testing. • Managed the complete codebase via GitHub, showcasing expertise in repository architecture and professional version control. • Implemented scripts for critical user flows, including product search and shopping cart validation, to ensure high platform reliability. • GitHub Repo: https://github.com/ahsanf22/Vino-Automation-POC.git 	
QA Observation Report: Global vs. Local Consistency	01/2026
Dedalus (Independent Audit)	
Performed a comparative Cross-Browser/Regional Inconsistency Analysis between Italian and Global "Contact Us" pages, identifying critical discrepancies in form validation and UI rendering.	
<ul style="list-style-type: none"> • Documented high-impact defects where mandatory fields (Name, Surname, Message) failed to trigger validation on the Global site, leading to potential CRM data hygiene issues. • Identified UI rendering failures in GDPR/Marketing consent sections that negatively impacted user trust and opt-in rates. • Provided actionable recommendations to align frontend validation logic and CSS classes across regional production branches. 	
Registration Flow Validation Audit	01/2026
Treedom (Independent Audit)	
Identified a "False Positive" validation defect in the registration process, where the frontend marked password requirements as met while the backend rejected them.	
<ul style="list-style-type: none"> • Analyzed the impact on user experience, specifically regarding how conflicting feedback can cause user drop-offs during the sign-up process. • Communicated findings directly to the engineering team with clear steps to reproduce and suggested UX improvements. 	
Vino.com UI/UX & DOM Integrity Audit	12/2025
Independent Audit	
<ul style="list-style-type: none"> • Identified a critical logic discrepancy in the checkout flow where "Fidelity Points" were incorrectly labeled as a monetary "Total amount." • Performed Root Cause Analysis (RCA) by inspecting the HTML/DOM, pinpointing the error in the <code></code> label next to the cart-summary-fidelity-new-fidelity-points-total ID. • Proposed a technical solution to align the frontend labels with underlying data structures, improving user transparency and trust. 	
Playwright Automation Framework (Nasfia)	01/2025
Nasfia Pvt Ltd	
Objective: Developed a scalable automation suite to improve testing efficiency for web applications.	
Technologies: Playwright, JavaScript, MS DevOps.	
Key Contributions:	
<ul style="list-style-type: none"> • Developed a scalable automation suite using Playwright and JavaScript to improve testing efficiency for complex web modules. • Designed and implemented automated scripts for Regression and Sanity testing, significantly reducing manual effort during release cycles. 	

- Focused on high-risk functional flows to increase test coverage across the **HPrime platform**.

Github Repo: <https://github.com/ahsanf22/Playright-Scripts-hPrime.git>

SQA Team Mentorship & Process Lead

03/2025 - 10/2025

Nasfia Pvt Ltd

During my tenure as an **SQA Engineer**, I was entrusted with leading a team of 2 junior testers to improve delivery quality and standardize documentation

- Successfully managed the transition of testing workflows to **Azure Cloud** while maintaining a high-performance team culture.
- Coordinated with cross-functional development teams to ensure high-quality releases for the **HPrime Interview Module**.

SKILLS

- **Automation Frameworks:** C# .NET, JavaScript, Katalon Studio, Playwright (Expert)
- **API & Database Testing:** API Testing (Postman), SQL (Data Validation & Querying), SQL Server Management Studio (SSMS)
- **Testing Methodologies:** ISTQB Standards, Mobile App Testing (iOS/Android), Regression, Sanity, UAT
- **Tools & Version Control:** Browserstack, Bug Tracking, Git, GitHub (Portfolio Management), MS DevOps (Boards, Test Plans)
- **Soft Skills:** Agile Sprints, Communication, Cross-functional Collaboration, Mentorship, Requirements Traceability, Root Cause Analysis (RCA), Stakeholder Reporting, Team Culture, User Experience (UX) Advocacy, Workflow Standardization

LANGUAGES

English (B2)

Urdu (Native)

Italian (Learning)