
MUHAMMAD HASSAN

ISTQB Certified SOFTWARE QUALITY ENGINEER

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Lahore, Pakistan

PROFESSIONAL SUMMARY

Innovative ISTQB certified QA Engineer, specializing in Manual and API testing, with a keen eye for data-driven quality assurance. Skilled in Scripting, dedicated to elevate testing processes and ensure functional as well as non-functional software standards.

CORE COMPETENCIES

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|-------------------------------|-------------------------------|
| ✓ Software Testing Life Cycle | ✓ Software Testing Techniques |
| ✓ Bug Report & Tracking | ✓ Software Testing Models |
| ✓ Manual Testing | ✓ API Testing |
| ✓ Data Driven Testing | ✓ Performance Testing |
| ✓ Test case Development | ✓ UI/UX Testing |
| ✓ Groovy scripts | ✓ Selenium with Python |

TOOLS

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|--------------------|---------------------|
| ✓ ReadyAPI | ✓ Postman |
| ✓ JMeter | ✓ TestWorthy |
| ✓ Microsoft Office | ✓ Forum Sentry |
| ✓ Jira | ✓ Trello |
| ✓ Adobe Photoshop | ✓ Adobe Illustrator |

PROFESSIONAL EXPERIENCE

Techlogix, Pakistan

Software Quality Assurance Engineer | 24 November, 2023 - Present

- Responsible for overseeing and maintaining core web services and websites.
- Ensure reliable functional & non-functional requirements of these services.
- Conduct thorough testing to identify and address any issues.
- Collaborate with senior developers & QAs to update the website and test new features

Techlogix, Pakistan

Quality Assurance Engineer | Internship | 19 October, 2023 - 23 November, 2023

- Leveraged tools like Jira, Slack, and Postman to refine testing methodologies.
- Executed Black Box Testing procedures to ensure high software quality standards.
- Contributed to various Agile App Development projects, adhering to Scrum principles.
- Involved in essential testing phases like Smoke Testing, Regression Testing & Retesting.

10 Pearls, Pakistan

Software Test Engineer | Internship | July, 2022 - August, 2022

- Undertook a multifaceted role encompassing critical skills and responsibilities.
- Conducted Black Box Testing and Test Case Generation to ensure software quality.
- Utilized Postman for efficient API testing, showcasing expertise in API Testing.
- Demonstrated commitment to Quality Assurance through involvement in: Test Planning & Comprehensive software documentation.

RELEVANT PROJECTS

Mulesoft APIs Migration

Techlogix Pakistan | 08 March, 2024 - Present

- End to End Testing of APIs that are migrated from Mulesoft to Forum Sentry an API Security Gateway.
- Leveraged ReadyAPI, Postman & ForumSentry.

Impact:

- Worked as a sole QA on the thread.
- Designed and implemented streamlined QA processes specific to the thread.
- Successfully trained two new QA team members on the thread.
- Shared knowledge and best practices to enhance their effectiveness.

DataPower APIs Configuration Migration

Techlogix Pakistan | 06 December, 2023 - 06 March, 2024

- Conducted comprehensive API comparison testing for APIs that underwent migration from IBM DataPower to ForumSentry.
- Key Areas of focus included Schema comparison, Authentication Authorization & Access Comparison as well as Content-type comparison.
- Tested both JSON based as well as SOAP based APIs.

Impact:

- Played a key role in on-time delivery of Port 61000 APIs.
- Brought project to stable condition.
- Successfully brought this project into a near-completion state.
- Ensured all critical components were functional and aligned with project goals.
- Handed over responsibilities to the appropriate team members, ensuring continuity, before moving on to other thread that needed immediate attention.

Securities And Exchange Commission Of Pakistan (SECP) LEAP

Techlogix Pakistan | 19 October, 2023 - 04 December, 2023

- Involved in a significant project for the **Securities and Exchange Commission of Pakistan**.
- Contributed to the flawless development of both **external and internal portals**.
- These portals aimed to **automate manual processes** related to **Business Incorporation** i.e. Company Registration and related sub-procedures.
- Tested workflows for various modules, including: Company Incorporation, Company name reservation, Change in Registered address, Special Resolution, Induction-Cessation & Addition/Removal of Authorized Officers/Employees.

Impact:

- Played an integral role in ensuring the timely delivery of critical modules.
- Despite being an intern, led a sub-team of two QA resources for specific modules, demonstrating effective leadership and coordination.
- My role was transitioned to a full-time employee, allowed me to continue providing value to the project.

Machine Assisted Text Annotation Tool | FYP

FCIT, University of the Punjab | October, 2022 - June, 2023

- Played a pivotal role in ensuring the quality and reliability of the 'Machine Assisted Text Annotation Tool'.
- The tool is a web application designed for annotating scientific articles.
- Conducted comprehensive manual testing covering critical aspects, including: Sign Up, Login, Projects Management, File Management, Email verification, File Upload, Text Annotation functionalities

Automation:

- Leveraged Selenium with Python3 and the pytest framework to automate Sign Up and Login processes.
- This automation enhanced efficiency and accuracy.

Impact:

- incorporated best practices in quality assurance, meticulously identified and reported issues, collaborated closely with the development team to resolve them, and contributed to creating a robust, user-friendly application.

Hospital Management Application | Internal Project

10Pearls Pakistan | July, 2022 - August, 2022

- Responsible for ensuring the integrity and functionality of a hospital's Health Management application.
- Conducted thorough testing of key features, including: Sign Up and Login processes, Admin portal & Client-side functionalities
- Contributed to the overall quality and reliability of the application.

Impact:

- Dedication to precise testing practices played a crucial role in delivering a seamless user experience.
- Supported the healthcare institution's critical mission.
- Learned valuable QA practices and techniques.
- Gained valuable experience in manual testing and API testing.

EDUCATION

2023 - 2025 | University of Engineering And Technology (UET), Lahore

Master of Science - Software Engineering (MSSE)

- Pursuing a **Master of Science (MS)** degree in Software Engineering on weekends.
 - Successfully managing the demands of both **professional responsibilities** and **academic commitments**.
 - Leveraging **weekend** classes to enhance knowledge and skills while contributing to work projects during weekdays.
 - Demonstrating effective time management, discipline, and dedication to continuous learning.
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2019 - 2023 | FCIT, University of the Punjab, Lahore

Bachelor of Science - Information Technology (BSIT) Hons | 3.32/4.00

Distinctions:

- Admitted in Punjab University with the **highest merit** in the class.
 - Recognized for academic excellence, led to the appointment as **Class Representative (CR)** during the first semester as per policy of the university regarding honoring highest merit.
 - Specialization in Software Quality Assurance through final year.
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2016 - 2018 | Government College University (GCU), Lahore

Intermediate in F.Sc Pre-Engineering | 83% Score

Distinctions:

- Successfully secured admission in GC University based on merit.
 - Demonstrated academic excellence and commitment to learning.
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2014 - 2016 | Government Islamia High School, Lahore

Matriculation in Science | 95% Score

Distinctions:

- Achieved the highest marks in **all sections** of the school.
 - Secured the highest scores among all **previous batches**.
 - Got recognized for outstanding performance and contribution & been awarded a laptop as a testament to academic excellence from Provincial government.
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CERTIFICATIONS

Feb 2024 | Google Cyber Security Analyst

Coursera

Nov 2023 | Understanding and Complying with HIPAA

Udemy

Nov 2022 | ISTQB CTFL

International Software Testing Qualifications Board

2018 - 19 | Graphics Designing & Front-end Web Developement

PUCIT, University of the Punjab
