

# Mohmmad Hussain

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## PROFESSIONAL SUMMARY

Highly skilled QA Automation Engineer with experience in designing, implementing, and maintaining automation frameworks. Proficient in Playwright, Selenium, Java, and Cucumber, with expertise in end-to-end test automation, API testing, and CI/CD integration. Improved test execution efficiency by 40% through optimized test automation pipelines and reduced defect leakage by 40% through early testing strategies. Adept at scaling automation coverage and optimizing test reliability. Passionate about enhancing software quality through robust automation frameworks, data-driven testing, and continuous integration.

## EDUCATION

University of the Cumberlands – Kentucky, USA	August 2024
Master of Science in Information Technology (STEM)	GPA 3.8

## PROFESSIONAL EXPERIENCE

First National Bank   Pittsburgh, PA	Nov 2024 –Present
QA Automation Engineer	
<ul style="list-style-type: none"><li>Designed and maintained Playwright-based automation frameworks, reducing manual test execution time by 60% and improving overall test coverage by 35%.</li><li>Automated validation of Argo Teller and Navigator transaction postings, ensuring 99% accuracy in financial transactions.</li><li>Integrated Azure DevOps Pipelines with automation scripts, improving test execution speed by 3x, enabling faster releases.</li><li>Developed data-driven testing strategies, reducing test maintenance efforts and improving reliability.</li><li>Created API test scripts for transaction validation, improving system stability and preventing high-severity defects before production.</li><li>Collaborated with developers, business analysts, and DevOps teams, reducing defect leakage by 40% through early-stage automation testing and faster feedback loops.</li></ul>	
Amazon   Hyderabad, India.	Aug 2021 – Aug 2022
Quality Analyst	
<ul style="list-style-type: none"><li>Developed and maintained automated test scripts using Selenium, Maven, and Playwright, reducing test execution time by 20%.</li><li>Designed and executed manual and automated test cases to validate functional and non-functional requirements.</li><li>Collaborated with cross-functional teams to analyze business requirements and enhance test coverage.</li><li>Implemented BDD (Behavior Driven Development) with Cucumber, creating readable and reusable test cases.</li><li>Reported and tracked bugs and defects in JIRA, ensuring effective resolution before deployment.</li></ul>	

## SKILLS

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Test Automation: Playwright, Selenium, Cucumber (BDD), TestNG, JUnit  
Manual Testing: Test Planning, Test Case Design, Functional & Regression Testing, API Testing  
Programming & Scripting: Java, Python, YAML, SQL  
CI/CD & DevOps: Azure DevOps, Jenkins, Git, Continuous Integration & Deployment  
Testing Tools: IntelliJ, Maven, JIRA, Postman, REST Assured  
Methodologies: Agile, Scrum

## PROJECTS

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Automated Web Testing Framework (Software Testing Project) May 2024 – Aug 2024

- Tools & Technologies: Selenium, Java, TestNG, Maven, JIRA
- Developed a Scalable Selenium-Based Test Framework for E-Commerce Websites.
- Implemented Page Object Model (POM) and Data-Driven Testing, reducing test maintenance efforts by 50%.
- Integrated tests with Jenkins CI/CD pipeline, enabling automated nightly test execution.
- Logged test results in JIRA, identifying critical defects before application deployment.

API Testing for E-Commerce Platform (Software Testing Project) May 2023 – Jul 2023

- Tools & Technologies: Postman, REST Assured, Java, JSON, API Documentation
- Designed and executed API test cases for an e-commerce application, validating endpoints for product listings, orders, and payments.
- Used REST Assured to automate API testing, ensuring response accuracy, schema validation, and error handling.
- Implemented data-driven API testing, using JSON payloads for different test scenarios.
- Collaborated with the development team to resolve API defects and improve application reliability.

Inventory Management System (Software Development Project) Jan 2023 – Apr 2023

- Technologies: Java, Spring Boot, MySQL, REST API
- Developed a full-stack inventory management system, enabling real-time stock tracking, product categorization, and order management.
- Designed a RESTful API to handle CRUD operations for inventory and user authentication.
- Implemented unit and integration testing for APIs using JUnit and Mockito to ensure system reliability.
- Optimized database queries to improve system performance and reduce response time.