KHAYYAM ALIYEV

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Experienced Software Quality Assurance and Automation Engineer with over 8 years of expertise in designing, developing, and executing automated testing solutions for web, mobile, and API applications. Skilled in creating robust automation frameworks using Selenium WebDriver, Java, Cucumber, Junit, and Appium to enhance testing efficiency and accuracy. Strong background in CI/CD integration with Jenkins, Docker, and Maven to streamline software deployment. Adept at Agile methodologies, collaborating with cross-functional teams, and ensuring comprehensive test coverage. Proficient in API testing with REST Assured and backend validation using SQL. Passionate about optimizing testing workflows, reducing manual efforts, and improving software quality. Dedicated to driving automation excellence, identifying defects early, and delivering reliable, high-performing applications in fast-paced environments.

AREAS OF EXPERTISE

- Strong proficiency in scripting automated test cases ensuring high accuracy, consistency, and fast execution in CI/CD pipelines.
- In-depth knowledge of Agile and Scrum methodologies fostering collaboration, adaptability, and continuous software improvement.
- Advanced skills in API validation verifying data integrity, response accuracy, and backend system reliability with REST Assured.
- Deep understanding of software development lifecycle aligning testing strategies with development goals for high-quality product delivery.
- Strong analytical skills identifying patterns in defects, optimizing test strategies, and enhancing overall software performance.
- Excellent problem-solving abilities troubleshooting automation issues, debugging test scripts, and resolving software testing challenges.
- Proficiency in database testing using SQL ensuring data consistency, query performance, and backend validation accuracy.

KEY SKILLS

Selenium WebDriver	Functional Testing	CI/CD Pipelines
Test Automation	Smoke Testing	Jenkins Integration
Java Programming	Data-Driven Testing	Docker Containers
API Testing	Manual Testing	Maven Build
Agile Methodologies	Defect Tracking	REST Assured
Cucumber BDD	Git Versioning	JIRA Tracking
JUnit Framework	Load Testing	TestNG Framework
Appium Mobile	Test Execution	Sprint Planning
Regression Testing	Desktop automation	Jmeter
Azure DevOps	Playwright	TestComplete

PROFESSIONAL EXPERIENCE

Senior Automation Engineer in Test – Test Lead   **Jan 2022 - Present**
Interprice Technologies – New York – Capital Markets Treasury Management (Fintech)

- Led a team of 4 QA engineers, providing technical mentorship, task distribution, and ensuring timely delivery of sprint commitments.
- Acted as the primary QA liaison between the business and development teams, participating in sprint planning, backlog grooming, and requirement clarification to ensure alignment and timely delivery.
- Developed a scalable Page Object Model (POM) framework with Page Factory, improving automation efficiency by 40% and reducing script maintenance time by 30%.
- Built comprehensive automation frameworks from scratch using Maven, Selenium WebDriver, Java, Cucumber (BDD), and Android tools, achieving 95% test coverage for critical applications.
- Performed and upheld over 600 end-to-end UI, regression, and smoke tests using Selenium WebDriver and Java (OOP).
- Implemented over 150 reusable Java-based functions, enhancing modularity and reducing code duplication by 35%.
- Configured Maven and integrated Docker into CI/CD pipelines, decreasing build and deployment time by 25%.
- Analyzed over 500+ user stories across 20+ sprints, contributing to continuous improvement of development cycles.
- Designed structured test scenarios and scripts, achieving 98% requirements traceability coverage.
- Extracted and manipulated test data from 100+ external files using Apache POI, ensuring seamless data validation workflows.
- Generated and executed over 200 systematized UI and mobile test scripts using Selenium WebDriver and Appium.
- Performed REST API testing using tools like Postman and RestAssured, and conducted backend database validation through JDBC, ensuring data consistency and accuracy across systems.
- Worked with external APIs for authorization and authentication workflows (OAuth2, token-based access), ensuring secure integration and proper access control.

Software Automation Engineer in Test   **Aug 2019 - Jan 2022**
BNY Mellon – Pittsburgh – Investment Project

- Collaborated with business teams to clarify 500+ requirements and ensured 100% test coverage during development cycles.
- Engineered and upheld over 450 Selenium WebDriver (Cucumber, JUnit) mechanized regression test cases.
- Achieved 90%+ cross-browser compatibility validation using Selenium Grid, supporting multiple production environments.
- Developed and launched mobile automation scripts for 12+ Android and iOS application releases using Appium.
- Generated detailed bug reports for 300+ defects and prepared test execution summaries for 25+ stakeholder presentations.
- Carried out over 1000 manual and computerized tests using black-box and gray-box methods.
- Led bi-weekly team meetings, improving communication and boosting overall team productivity by 15%.
- Validated 200+ REST API endpoints, ensuring secure and consistent web service functionality.
- Integrated API testing into CI pipelines to enable automatic validation of web services on every build.

- Performed backend data verification by executing complex SQL queries via JDBC to validate business logic and data integrity across multiple databases.

Automation Tester   **Nov 2017 - Jul 2019**

Philips – Pittsburgh – Quality Management System
- Analyzed 300+ business requirements to design and validate system functionality and workflows.
- Established and initiated 200+ user acceptance test cases, improving system reliability by 25%.
- Generated 250+ Selenium WebDriver scripts for functional and regression testing.
- Developed modular automation frameworks in Java and TestNG, reducing script maintenance efforts by 30%.
- Carried out cross-browser testing across 5 major browsers to ensure consistent user experience.
- Implemented data-driven testing across 15+ key functional areas, enhancing coverage and test reliability.
- Participated in over 40 Agile Scrum ceremonies, aligning testing efforts with sprint goals and release plans.

Junior Tester   **Sep 2016 - Oct 2017**

Bosch Group – Pittsburgh – Security Project
- Reviewed and analyzed 200+ functional specifications and requirements to develop accurate test cases.
- Developed and completed over 150 Selenium WebDriver automated regression tests using JUnit and TestNG.
- Participated in 25+ Agile Sprint cycles, refining and validating over 300 user stories.
- Created and preserved 100+ BDD automation scripts using Cucumber for structured testing.
- Designed comprehensive test cases in JIRA for 100% requirements traceability coverage.
- Executed 400+ manual and automated functional, regression, and smoke tests.
- Led 10+ defect review meetings, helping prioritize and resolve over 200 critical issues.

EDUCATION

Geography - Bachelor Degree
Azerbaijan State Pedagogical University

TECHNICAL SKILLS

- Testing Tools: Selenium 4 Web Driver/RC/IDE/Grid, Postman, Appium, Android, IOS, Playwright, TestComplete, FlaUI
- Defect Tracking Tools: Jira X-Ray, Confluence, Xray
- BDD Frameworks: Cucumber, Keyword and Data driven Framework.
- Programming Languages: Java, Python, JavaScript, Oracle SQL, MSSQL.
- Web Services: REST API.
- Web Technologies: HTML, CSS, Java Script, XML, Amazon Web-Service (AWS), JSON, Azure DevOps
- Platforms: Windows, MAC OS X.
- Databases: Oracle SQL, MangoDB, MSSQL etc.
- IDE & Reporting Tools: IntelliJ, Eclipse.
- Methodologies: Agile Scrum, Waterfall, SDLC.
- Build Tools: Maven, Gradle
- CI /CD Tools: Jenkins, Docker.
- Unit Test Frameworks: JUnit, Cucumber BDD & TestNG.
- Domain Knowledge: Finance, Security Management, Technology, Health Care, Consulting etc.
- MS Office: Outlook, Word, Excel, PowerPoint.
- Source Version Control Tools: Git, GitHub, Gitlab.

LANGUAGES

- English (Advanced), Turkish (Fluent), German (Intermediate), Russian (Intermediate).

REFERENCES

Available Upon Request.