

Juel Uddin

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SUMMARY:

- Proficient in providing cost-effective solutions using industry best practices by implementing open-source and commercial tools such as Playwright, Cypress, Selenium WebDriver, and Watir WebDriver for client-server and web application testing environments.
- Developed versatile test frameworks using Selenium WebDriver with Maven and TestNG, Ruby Cucumber with Watir WebDriver, and employed Playwright and Cypress for modern end-to-end testing.
- Expertise in AI-driven automation tools with self-healing capabilities, such as Testim, Mabl, and Functionize, enabling intelligent test generation, dynamic adjustments, and robust script maintenance.
- Spearheaded adoption of codeless automation leveraging natural language processing (NLP) to generate test cases from plain language prompts, streamlining the test creation process and reducing onboarding time.
- Engineered AI-powered project management systems focusing on adaptive algorithms that dynamically adjust workflows based on user actions and training data, enhancing predictive accuracy and operational efficiency.
- Integrated machine learning models into test frameworks for real-time defect prediction and automated root cause analysis, enabling proactive issue resolution.
- Skilled in cross-browser testing, full SDLC, test automation, and bug reporting using tools like Mercury Quality Center and Rational ClearQuest.
- Proficient in functional, integration, smoke, user acceptance, and regression testing utilizing advanced tools such as Playwright, Cypress, and Selenium.

Artificial Intelligence and Automation Tools:

- Integrated AI-powered automation tools into QA frameworks, leveraging self-healing capabilities and natural language processing (NLP) to dynamically adjust test scripts and generate intelligent test cases.
- Designed machine learning models for defect prediction, enabling real-time root cause analysis and proactive issue resolution.

Robotic Process Automation (RPA) and UiPath:

- Developed and deployed RPA workflows using UiPath to automate repetitive business processes, increasing efficiency and reducing manual effort.
- Automated data extraction, validation, and processing tasks across multiple systems, ensuring accuracy and consistency in enterprise applications.

C# Development:

- Proficient in designing, developing, and debugging scalable applications using C# for automation and backend development.
- Built reusable test automation frameworks and scripts in C#, integrating seamlessly with CI/CD pipelines for robust deployment.

Azure DevOps:

- Expert in utilizing Azure DevOps for CI/CD implementation, managing repositories, and defining workflows to streamline development and testing processes.
- Configured and managed test plans, pipelines, and deployments within Azure DevOps, ensuring traceability and quality across software lifecycles.
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TECHNICAL SKILLS:

Testing Tools: Cypress, Playwright, Selenium WebDriver, Robot Framework, Watir WebDriver, JMeter, BlazeMeter, Testim, Functionize, Mabl
AI & Automation Tools: TensorFlow, Testim AI, Functionize, GPT-based APIs for NLP-driven test generation

Languages: C#, Ruby, SQL, Java, JavaScript, Python, VB Script, Groovy

Development IDEs: Eclipse, Visual Studio, RubyMine, PyCharm

Databases: Oracle, SQL Server, MySQL

Version Control: GitHub, SVN

Operating Systems: Windows, UNIX/Linux, macOS

PROFESSIONAL EXPERIENCE:

605TV New York, NY

September 2021 – Present

QA Architect/ Manager

Responsibilities:

- Designed and implemented a robust QA automation framework using Playwright and Cucumber for efficient testing and continuous integration.
- Integrated the automation framework into the Jenkins pipeline for seamless CI/CD workflows, ensuring high-quality software releases.
- Spearheaded automation testing efforts for both Dr1ve and Platform applications, significantly reducing manual testing time and improving test coverage.
- Collaborated with cross-functional teams to define testing requirements and strategies, streamlining the QA process, and fostering a culture of quality assurance.
- Trained and mentored junior QA engineers in automation best practices, enhancing the team's overall technical capabilities.
- Integrated AI-driven automation tools for dynamic test script generation and real-time adjustment to application changes, reducing maintenance overhead.
- Developed a comprehensive test strategy leveraging AI-based defect prediction and root cause analysis, ensuring faster issue identification and resolution.
- Collaborated with cross-functional teams to define testing strategies and optimize test coverage for mission-critical applications.
- Explored multiple AI based automation tools and implemented framework that had self-healing capabilities as well as generating tests based on plain English constructive AI prompts.
- Automated test for AI based application which produces dynamic output based on training data as well as users action.
- Conducted regular test case reviews and updates to maintain test suite effectiveness and relevance.
- Monitored and reported on key performance metrics, driving continuous improvement in testing processes and methodologies.
- Actively participated in Agile ceremonies, ensuring clear communication and collaboration between developers, product owners, and the QA team

Environment: AI Automation, Playwright, JavaScript, C#, Node.js, Jenkins, Cucumber, Java, Selenium Web driver, JIRA.

Reonomy Inc. New York, NY
QA Test Architect

November 2019 – September 2021

Responsibilities:

- Configured and maintained test environments tailored to specific QA assignments, ensuring optimal testing conditions.
- Developed comprehensive end-to-end Ruby automation scripts using Selenium-Ruby for backend/integration automation and database testing with Ruby DBI connectivity, leveraging MySQL queries for validation and user data.
- Established a reusable regression test suite, integrated continuous testing with Jenkins, debugged errors, and reported defects for timely resolution.
- Implemented Behavior Driven Testing (BDD) using Gherkin and Cucumber, enabling efficient behavior and data testing.
- Automated cross-platform testing (Android & iOS) for native, hybrid, and mobile web applications using Appium, supporting real devices, emulators, and simulators.
- Conducted load and stress testing using JMeter and LoadRunner, optimizing server thresholds and databases for peak performance, and developed LoadRunner test scripts according to test specifications/requirements.

Environment: Cypress, JavaScript, Node.js, Jenkins, Ruby, Java, Appium, Selenium WebDriver.

Teladoc Health New York, NY
Principal QA Engineer/ Architect

August 2016 – November 2019

Responsibilities:

- Manage a team of QA Engineers and hands on with manual and automation testing and building automation frameworks.
- Define and improved the QA processes, guide team towards detailed test plans and clear executions with emphasis on working closely with development teams.
- Working closely with Project Managers, Product Managers, and Development Manager, and Stakeholders to improve the Process and help improve Agile/Scrum in the company.
- Knowledge about the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM).
- Resource Planning/Resource allocation, Work Delegation, Project Scoping, Project Status Reporting (on time), Test Planning, and Test Strategy are performed successfully. Also involved in Budget planning for the training, software tools/licenses and resources.
- Working on the Android module of the project where I was responsible for automating the app using Appium with python.
- Identified test cases to automate. Automate those test cases using Selenium RC, TestNG and Java (Eclipse IDE).
- Expertise in Web app and good understanding Mobile web app automation testing for Android and iOS devices
- Prepared user documentation with screenshots for UAT (User Acceptance testing).

Environment: Java, Selenium WebDriver, Appium, Android Native App, iOS Native App, Cucumber, Capybara, Bundler, Ruby, Python, AWS, Jenkins, Specflow, SOAP UI, GitHub, Agile.

Credibly Inc. New York, NY
QA Automation Architect/Manager

May 2014 – August 2016

Responsibilities:

- Built and maintained QA infrastructure for all projects at Credibly, training QA engineers on effective testing methodologies and tools.
- Collaborated with the VP of Engineering to architect automation and CI/CD frameworks for a team of 15 QA/Dev resources, overseeing deliverables and process improvements for identity management and software provisioning applications.
- Developed and implemented versatile testing frameworks such as Cucumber-Ruby, Watir, and Jenkins, while promoting Agile BDD adoption and continuous integration practices.
- Created an API testing framework using open-source Ruby gem rest-client and a multi-environment test framework for seamless transitions between local, Dev, QA, and Stage environments.
- Conducted comprehensive stress and performance tests using JMeter and Selenium WebDriver, identifying and addressing stability issues and customer-facing problems.
- Led QA scheduling, test planning, and test plan execution, while providing test reports and progress updates to senior management for effective project oversight and communication.

Environment: Ruby, Cucumber, Watir, API, Selenium WebDriver, Jmeter, JIRA, JavaScript

Dedicated Technology Inc. Columbus, OH

January 2010 – May 2014

Responsibilities

- Reviewed and created test plans/scripts based on requirement and functional specifications.
- Utilized Ruby, Cucumber, Watir, and Page Objects in acceptance test-driven development.
- Conducted functional, regression, and web-based testing using RubyMine IDE.
- Developed automation scripts with Ruby and demonstrated expertise in the Cucumber framework.
- Managed requirements, executed tests, and tracked defects using Quality Center.
- Performed end-to-end, business functional, integration, browser, and system testing.

Environment: Clear Quest, ALM, RubyMine, Ruby, Cucumber, Cold Fusion, Ruby gems, Watir, Quality Center, LoadRunner, Oracle, JMeter, Java, JavaScript.

EDUCATION, CERTIFICATION & STATUS:

- **New York City College of technology – Electrical engineering 2012**
- ISTQB Certified – International Software Testing Qualifications Board
- Coursera Certification Agile with Atlassian Jira, Java, JavaScript, Azure DevOps, CI/CD
- US Citizen