

Kritarth Acharya
SDET
<https://www.linkedin.com/in/kritarth-acharya/>

+1-908-553-1600
akritartha@gmail.com

Professional Summary of Results-Driven SDET Professional (6+ years)

- **Demonstrated Expertise in Automation and Functional Testing:**

Proven track record of over 5 years in creating comprehensive Test Cases, Test Plans, Test Data, and Automation scripts using Python, Java, Selenium, Web Services, Apache HTTP Client, and Cucumber.

- **Wide Array of Testing Techniques:**

Skilled in employing various validation testing techniques, including Smoke, Functional, Integration, System, Regression, Cross-Browser Compatibility, and User Acceptance testing. Ensures meticulous back-end data validation.

- **End-to-End Automation Workflows:**

Proficient in orchestrating end-to-end automation workflows using Selenium WebDriver/IDE, TestNG, Maven, Jenkins, Cucumber, Karate, and Web Services (REST). Contributes to the seamless interaction between user interfaces and backend systems.

- **Automation Framework:**

Proficient in Cypress automation framework, implementing the Page Object Model (POM) for maintainable and scalable test automation solutions. Extensive experience in designing, developing, and maintaining Cypress test suites for web applications.

- **Mobile Automation:**

Possesses over 4 years of hands-on experience in Mobile Automation, specializing in writing JavaScript code for Appium and XCUITest frameworks.

Actively involved in writing mobile automation code using the XCUITest framework for iOS and Appium for Android development, emphasizing JavaScript as the primary coding language.

- **AWS Cloud Services Expertise:**

Successfully leveraged AWS cloud services and Lambda functions to optimize test automation processes. Showcases proficiency in implementing and maintaining test environments on AWS.

- **Specialized in Apache Kafka and SQL:**

Expertise in testing applications with Apache Kafka messaging systems. Strong SQL skills for precise data retrieval and manipulation, crafting complex SQL queries for optimal performance.

- **Version Control and Collaboration:**

Proven ability to integrate version control practices using Git, ensuring efficient collaboration and maintaining code integrity. Hands-on experience with Jenkins, Rally, and JIRA for optimized test management, continuous integration, and defect tracking.

- **Scrum-Based Agile Engineering:**

Practitioner of Scrum-based Agile engineering practices. Seamlessly integrates into cross-functional teams to streamline software development and testing processes.

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Technical Skills

Languages	Java, Javascript, Python, Kotlin, SQL, XML, HTML.
Testing Tools	Cypress, Selenium, Jest, Appium, TestCafe, TestNG, Cucumber BDD
Web Services	SOAPUI, WSDL, RESTFUL Services, Postman, Karate
Cloud Computing	AWS(Lambda, RDS, Redshift, EC2, EMR), Kubernetes, Docker
Bug Tracking Tools	Quality Center, JIRA, Rally, HP ALM, Bugzilla
Project Management	JIRA, Mantis, TestRail, Confluence, OpenProject
Web Technologies	HTML, XML, JSON, Apache Kafka
IDE	Eclipse, IntelliJ, PyCharm, Visual Studio Code
Build Tools	Maven, Jenkins
Databases and Tools	Oracle, MongoDB, MySQL, PostgreSQL
Version Control Tools	Git, SVN
Operating Systems	Windows, Mac, UNIX
Dev Methodologies	Agile/ Scrum, Waterfall

Education: Bachelor of Science, Computer Science (Kathmandu University, Dhulikhel Nepal)

Professional Experience

Role: Senior QA Engineer

Oct 2021 to Till Date

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- Participated in SDET (Software Development Engineer in Test) for automated test cases and the frameworks to execute and report them.
- Configured Selenium WebDriver, TestNG, and Maven tool and created Selenium automation scripts in Java using TestNG before agile release.
- Used SOAP UI tool to test SOA-based architecture application to test SOAP services and REST API and Involved in services testing using Run scope and Postman. Worked closely with the platform team for every new service that the plan to tag and release.
- Led the implementation of XCUI testing for an iOS healthcare application, ensuring thorough UI testing and contributing to overall user experience improvement.
- Developed and maintained a robust test automation framework using Selenium with Cucumber, covering end-to-end UI and API testing for a healthcare app.
- Utilized Appium for cross-platform mobile automation, ensuring seamless functionality across diverse Android devices, and leveraged Xcode for iOS automation.
- Contributed to the creation of a continuous integration pipeline, enabling automated regression testing and ensuring software stability throughout the development lifecycle.
- Collaborated with cross-functional teams to align coding practices with industry standards, particularly focusing on Java, Kotlin, and Swift, and played a key role in addressing healthcare-specific challenges and ensuring compliance with industry regulations.
- Experience in RESTFUL web service testing using Rest Assured framework java. Validated JSON formatted data, and different HTTP status codes like 200, 201, 400, 415, 500etc using Postman.
- Created automated script for REST-API testing using Rest Assured framework.
- Expertise in performing manual testing (emulators & IOS Simulators) & Mobile Application Testing using Appium. Spearheaded XCUI testing for iOS applications, ensuring robust UI testing strategies for a seamless user experience.

Skills: Agile Testing · Test Automation · Appium· Xcode · Apache Kafka · Java (Programming Language) · Gherkin · Test Cases · Test Planning · Zephyr · Page Object Model · Behavior-Driven Development (BDD) · SoapUI · Postman API · REST APIs · AWS/ Lambda · TestNG · Selenium WebDriver · QA · SQL queries

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QA Automation Engineer
Seva Development

Dec 2018 - October 2021

- Developed framework from scratch for using Cypress to automate UI and used Javascript, NodeJS, and NPM for Angular-based user interface
- Performed UI and API testing using Cypress and created the framework from scratch.
- Good working experience in DevOps Environment by working on various technologies/applications like GIT, SVN, Jenkins, Docker, Kubernetes, Grafana, and Linux.
- Involved in the design and implementation of Selenium WebDriver automation framework for smoke and regression test suites (TestNG and Maven).
- Configured Selenium WebDriver, TestNG, and Maven tool and created Selenium automation scripts in Java.
- Participated in developing and designing the framework for Mobile Automation and automated applications on various mobile platforms like Native iOS and Android OS using Appium Scripts with javascript for POS application.
- Hands-on experience in identifying objects of apps using the UI Automator tool for Android and Appium Inspector for iPhone. Extensive hands-on experience with XCUI for iOS testing, including test script development and execution.
- Worked on identifying candidates for Mobile Automation, used different types of virtual devices (Emulator & Simulator) and real devices for Test case validation.
- Spearheaded the development of a comprehensive Mobile Automation test framework from inception, utilizing XCUI for iOS and Android platforms, ensuring robust, scalable, and maintainable solutions for Retail and Retirement applications.
- Established and maintained a continuous integration pipeline to guarantee that automation processes are consistently running, proactively analyzing test results, and promptly reporting any failures to facilitate rapid issue resolution.
- Collaborated closely with leadership to lead research initiatives, investigate emerging trends, and implement best practices, particularly focusing on Test Driven Development (TDD) and Testing Automation using XCUI.
- Additionally, played a pivotal role in training and mentoring QA Testing Resources in these areas to enhance the overall testing proficiency within the team.

Skills: Agile Testing · Test Automation · Apache Kafka · TestIM Java (Programming Language) · Gherkin · Test Cases · Test Planning · JavaScript · Page Object Model · Behavior-Driven Development (BDD) · SoapUI · Postman API · REST APIs · AWS/ Lambda · TestNG · Selenium WebDriver · QA · SQL queries

QA Engineer
Utshara Technology

April 2018 - Nov 2018

- Developed the crowdfunding application, employing robust programming skills to deliver a highly functional and user-friendly product.
- Successfully led Quality Engineering activities in an Agile setting, ensuring efficient teamwork and high-quality results for a crowdfunding app.
- Developed comprehensive test strategies, incorporating risk-based testing, to align with Agile development cycles and improve overall product quality.
- Proficiently created and maintained clear and comprehensive test cases in line with user stories and acceptance criteria.
- Logged, tracked, and managed defects, ensuring timely resolution and enhancing the app's quality.
- Developed a JSON-based RESTful API for a mobile app, significantly improving data communication and reducing loading times, resulting in a 25% increase in user engagement.

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- Optimized web pages by employing efficient jQuery libraries, reducing load times by 40% and enhancing the overall user experience.
- Regularly provided transparent metrics on test execution and automation progress, enabling data-driven decisions for continuous improvement. Proficient in Core Java programming and SQL testing.
- Designed and implemented Cypress test automation using the Page Object Model (POM) to improve test script maintainability, readability, and reusability.
- Developed and maintained a suite of Cypress tests for fintech applications.
- Collaborated with the development team to identify test scenarios and ensure comprehensive test coverage for new features and application updates.
- Conducted regression testing to identify defects and verify bug fixes, reducing the number of post-release issues by 40%.
- Leveraged custom Cypress commands to create reusable test steps and enhance test script efficiency.