## Sandeep Rathor

Senior QA Automation Engineer

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Senior QA Automation Engineer with 8+ years of experience in designing and implementing test automation frameworks using Selenium, Python, and Java, significantly reducing manual testing eforts. Proficient in API and UI automation, data pipeline automation with AWS, Pyspark, and SQL, and leading CI/CD implementations. Demonstrated leadership in mentoring teams and enhancing testing processes to deliver high-quality software solutions efficiently.

## Professional Experience

Luxoft August 2022 - Present

Senior QA Automation Engineer

 Designed and implemented automation test frameworks using tools such as Selenium WebDriver, Pytest, TestNG, and Cucumber, resulting in a 40% reduction in manual testing time.

 Using Python and Java along with selenium, rest-assured, request libraries to automate UI and API, and writing

Regression suits to reduce manual eforts by 80% during production release.

 Using AWS created a data pipeline and automated the API response to extract, transform, and loading of data using

AWS Lambda, S3, Athena Glue, and language used python libraries used Pyspark and pandas

 Using wdio Selenium framework with JavaScript to automate both UI and Rest APIs and utilizing Selenium, Mountebank, and Docker for streamlined and comprehensive automation coverage.

 Used SQL to perform data migration testing, Testlink to write manual test cases and Jenkins to automate the pipeline deployment.

 Mentored junior QA Engineers on automation best practices, test script design, and troubleshooting techniques to improve overall team performance and efficiency.

Biofourmis April 2021 - August 2022

Senior Engineer SDET

 Used Java to automate web, iOS, and android using selenium web driver and appium in BDD framework with Spring Boot.

 Python to automate backend APIs of IOT watch using Flask framework and automate the other IOT devices  Led the design and implementation of automated test infrastructure for web applications using Selenium

WebDriver, resulting in a 30% reduction in manual testing time.

 Implemented CI/CD pipelines to streamline software deployment processes and minimize time-to-market for

products.

 Mentored junior SDETs on best practices for test automation, code reviews, and testing strategies to improve overall team efficiency.

 Collaborated with development teams to troubleshoot and resolve critical issues found during test execution, ensuring timely delivery of high-quality software releases.

Kemp December 2018 - April 2021

QA Engineer

 Automated RESTful APIs to improve backend functions and data exchanges, enhancing system integrations.

 Configured and managed Windows Servers (2016 and 2019) for secure access controls using SSO, MFA, and 2FA across various protocols (SAML, Kerberos, etc.).

 Executed Layer 4 and 7 load testing using advanced networking protocols, ensuring performance and scalability.  Built and maintained secure MFA and 2FA testing environments using Windows Server, Azure OIDC, and

LinOTP.

 Automated infrastructure provisioning using Terraform, ensuring consistency and reducing manual setup time.  Implemented Jenkins CI/CD pipelines to streamline software releases and improve deployment efficiency.

 Followed Agile methodology to develop the product.

Quovantis Technologies February 2018 - December 2018

QA Engineer

Implemented automated testing processes using Java with Selenium and JIRA, leading to a 30% increase in productivity and a 25% decrease in testing time

Implemented the POM framework to support robust and maintainable test automation, improving test script reusability.

Engaged actively in all phases of Agile development, including sprint planning, backlog grooming, retrospectives, and daily scrum meetings to optimize team workflows.

Leveraged Postman for API testing and JMeter to assess API performance, focusing on latency and load handling capabilities.

Oodles Technologies July 2016 - January 2018

Associate Consultant QA

 Developed automation scripts using Java and Selenium WebDriver to enhance testing processes and system reliability.

 Engineered a Page Object Model (POM) framework from scratch, significantly boosting test automation efficiency and maintainability.

 Utilized JMeter for comprehensive load testing on APIs, assessing behavior, latency, and response times under stress conditions.

 Authored manual test cases for new features, ensuring detailed coverage and rigorous testing standards.

 Coordinated between U.S.-based clients and development teams to drive product quality, aligning project goals and deliverables across time zones.

# Education

Bachelor of Technology in Computer Science and Engineering August 2011 - August 2015 B S Anangpuria Institute of Technology at Faridabad, Haryana

# Key Skills

Python, Java

Selenium, Appium and RestAssured, SQL and Pyspark

Docker, Azure and AWS Jira and Jenkins

Scrum and Agile Methodology

# Certifications

ISTQB Foundation Level Tester ISTQB