

REDDY VENKATA RAGHUNADH

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PROFESSIONAL SUMMARY

Results Driven Automation and Devops Engineer with 3 years experience in Selenium automation using Java, Robot Framework with Python, AWS services and various other devops tools. Excelled in developing automation frameworks, conducting POCs on multiple automation tools, and significantly reducing manual testing efforts. Adept at creating and managing test scripts, developing stub APIs, and managing sensitive data securely. Recognized for contributions in test planning, execution, and defect management, enhancing the robustness and integrity of applications.

TECHNICAL PROFICIENCIES

- **Programming Languages** – C, Python, Java
- **Technologies** – Selenium, Healenium, AWS services ,Docker
- **Tools** – Snowflake, Airflow, Hashicorp vault , Blazemeter , Gitlab, Postman
- **Frameworks** – Robot framework, Cucumber framework
- **Database** – MYSQL, MongoDB, Postgres
- **Bug Tracking Tools** – JIRA
- **Operating Systems** – Linux, Windows, MacOS
- **IDE Tools** – VS code, IntelliJ, Eclipse
- **Version Control** – GIT
- **Web Development** – HTML, CSS, JS

WORK EXPERIENCE

Role: Automation & Devops Engineer

Company: British Telecom

Duration: May 2023 - Present

Roles and Responsibilities:

- Utilized Snowflake to perform ETL operations on data stored in AWS S3 buckets. Leveraged Snowpark scripts to retrieve data from Snowflake tables and execute various data processing jobs efficiently.
- Demonstrated extensive hands-on experience with AWS Glue for ETL tasks, CloudWatch for monitoring, DynamoDB for database management, and S3 buckets for scalable storage solutions.
- Conducted a proof of concept (PoC) with HashiCorp Vault to securely store secrets in encrypted format. This approach replaced the use of Airflow variables, significantly enhancing data authenticity and integrity across all units.
- Developed and managed various Airflow DAGs and scripts to interact with HashiCorp Vault for reading and writing secrets. Additionally, scheduled and monitored daily job DAGs.
- Created Python scripts to automate the generation and emailing automation suite reports.
- Utilized the BlazeMeter tool to create mock APIs, effectively eliminating dependency on other component teams responsible for API development.
- Automated both product APIs and UI using the Robot Framework with Python. This method provided greater ease and flexibility in scriptwriting, achieving comprehensive test case coverage and reducing manual testing efforts by 60%.
- Developed detailed test plans for numerous product design features and conducted thorough review sessions with the solution architect. This collaboration ensured 100% coverage in testing the product, leading to higher quality and reliability.
- Prepared Test Scenarios, Design Understanding, Identified and reported multiple defects, contributing to the robustness and integrity of the application.

Role: Digital Specialist Engineer

Company: Infosys

Duration: Oct 2021-Apr 2023

Client: British Telecom

Roles and Responsibilities:

- Executed a proof of concept (PoC) using the Healenium tool, greatly reducing the manual effort involved in correcting frequently changing locators like XPath and CSS selectors on dynamic web pages.
- Automated multiple web applications, such as Salesforce, ServiceNow, and BT apps, using Selenium combined with the Cucumber framework. This automation process removed the necessity for manual intervention during regression and sanity tests.
- Created a custom automation framework that facilitates parallel execution, supports multi-browser execution, incorporates custom data generation methods, provides detailed logging, and generates comprehensive reports. These reports were distributed to teams via email.
- Established CI/CD pipelines in GitLab, incorporating jobs for test execution and report generation.
- Automated numerous APIs with the Rest Assured library, ensuring the validation of both request and response bodies..
- Performed a proof of concept (PoC) to evaluate several no-code tools, including Functionize, Virtuoso, AccelQ, and Copado. Automated a range of UI and API tests, and assessed the tools based on performance, efficiency, and robustness.

ACADEMIA

Bachelor of Technology: Electronics & Communication Engineering (8.04) **2017 - 2021**

ACHIEVEMENTS

- Received recognition and gift vouchers for significantly accelerating the automation testing of the product, resulting in quick client adoption.
- Honored with gift vouchers by the COLO team and the Product Director for exceptional performance in both automated and manual product testing.
- Qualified as a semi-finalist in the UNICOM DevOps League competition.

CERTIFICATIONS

- AZ900 Fundamentals By Microsoft
- Linux Professional By Udemy
- Selenium Advanced Automation Test By Infosys
- Certified Python Associate By Infosys
- Certified DevOps Professional By Infosys

PERSONAL DETAILS

DOB: 10th May,2000

Languages known: Telugu,Hindi,English

Permanent Address: Amazing grace apartment, Esuwari Street, Jagannaickpur,Kakinada-2

Current Location: Bangalore