Debasruty Dutta

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Summary

Over 2 years of focused expertise in Automation and Functional Testing, with a current role as Programmer Analyst in Quality Engineering and Assurance at Cognizant Technology Solutions. Proficient in Python-based automation, Selenium, and API Testing. Skilled in tools like Postman, MATLAB(VNT), and certified in Azure cloud functionalities. Successfully implemented a pivotal API testing strategy, enhancing system stability. Recognized for fostering collaborative environments, consistently delivering high-efficiency test automation solutions, and significantly reducing testing durations.

Experience

Programmer Analyst
Cognizant
Jan 2023 - Present (8 months)
Python, Selenium, Postman
* Developed a Python-based Pytest framework for image validation using livecam and demo videos for vehicles, enhancing efficiency
and accuracy of testing.
* Utilized Python to implement text recognition algorithms, specifically for vehicle identification, using EasyOCR, improving the
accuracy and speed of text extraction.
* Automated test cases using Python libraries to validate images and videos, ensuring accuracy and reliability.
* Worked extensively with API testing, validating API functionalities and ensuring seamless integration.
* Organized KT sessions to share detailed documentation and provide training to new team members, ensuring smooth onboarding
and knowledge acquisition.

Programmer
Cognizant
Nov 2020 - Dec 2022 (2 years 2 months)
Quality Engineering and Assurance) Nov 2020 – Dec 2022; Python, Core JAVA, Selenium, MATLAB, Maven
* Developed and automated test scripts for MATLAB simulation models using Python.
* Executed test cases and analyzed the results to identify and document defects.
* Maintained and optimized automation code and frameworks for performance and stability.
* Collaborated with stakeholders to develop and document business processes for various use cases.
* Conducted web-based testing using Selenium and Maven, ensuring the quality of web applications.

Education

Netaji Subhash Engineering College

Bachelor of Computer Application, Computer Science
2017 - 2020

Licenses & Certifications

Microsoft Certified: Azure Developer Associate

Microsoft Certified: Azure Fundamentals

Microsoft Certified: Azure Data Fundamentals

Skills

Java • Python (Programming Language) • Selenium • Test Automation • Functional Testing • API Testing • Postman API • REST APIs • MATLAB • SQL