MADHAN S

QA ENGINEER

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Detail-oriented QA Engineer with over 2 years of experience in software testing and automation frameworks. Strong expertise in Agile methodologies and a solid understanding of the software development life cycle. Committed to continuous improvement and leveraging automation to increase efficiency and accuracy in testing.

# TECHNICAL SKILLS

**Languages & Framework :** Python**,** Java, TestNG.

**Databases:** SQL Server.

**Tools and Technologies:** AWS, GitHub.

**Automation Tools:** Selenium.

**API Testing Tools:**Postman, Ready API.

**Data Visualization Tools/Lib**: Tableau, Power BI..

**PROFESSIONAL EXPERIENCE**

**QA Engineer | Cognizant**, Chennai, India **Jun 2022 – Present**

* Analyzed features and created detailed test plans and test cases based on user stories and technical specifications, designed test strategies for Functional and regression testing, and developed automation scripts. 
* Developed and maintained automated test scripts using Selenium and Java, resulting in a 40% reduction in manual testing efforts. 
* Executed comprehensive test cases for Functional testing, Regression testing on both UI and back-end services.
* Performed API testing using tools like Postman and Ready API for both manual and automated testing, validating functionality and performance.
* Reported and tracked defects through Rally, ensuring timely resolution and effective communication with the team. 
* Participated in Agile ceremonies, including daily stand-ups, sprint planning, and retrospectives, and coordinated with onshore teams to acquire functional knowledge and align on project goals.

# EDUCATION

## Amrita Vishwa Vidyapeetham, Coimbatore, India July 2018 – June 2022

Bachelor of Technology (B.TECH), Mechanical Engineering.

# PROJECTS

**CloudDB Diff Tool**.

# Designed to streamline the process of comparing and validating data across the diverse database ecosystems. It address the challenges of efforts to combine data from different sources to validate identify disparities between two databases and on-premise

# Minimize the risk of human errors in data comparison and validation. And saved approximately 70% of manual effort.

**Rule360 Tool.**

# Developed to automate the Rule based Service level testing, when there is a frequent changes to the payload structure and evolving rule requirements.

# More than 50% effort savings with the data setup and validation.

# CERTIFICATIONS

**Python 101 for Data Science,** IBM.

**Advanced Data Science & AI Program**, Learn Bay.

**AWS Cloud Practitioner**.