Shahin Mohamed

Automation Engineer

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EXPERIENCE

CareStack (Good Methods Software Solutions)   **Trivandrum, India**
Automation Engineer   *Aug 2021 - Present*

- Specialized in API automation using xUnit, maintaining the framework and streamlining test automation. Also created a .NET template for other teams to utilize, promoting consistency and best practices across projects.
- Actively participated in performance testing during regression phases, executing product load tests and ensuring informed sign-offs through rigorous validation processes using jmeter.
- Led the transition of the Azure Database tier from a DTU-based to a VCore-based model, achieving a 40% reduction in costs while significantly improving database performance.
- Collaborated with the database team to resolve parameter sniffing issue in Database, stabilizing performance and enhancing overall system reliability.
- Contributed to UI testing with Playwright by automating manual production sanity, significantly reducing QA time and enhancing efficiency.
- Implemented contract testing using Pact.io in microservice repositories, ensuring proper service interaction and reducing integration issues.
- Developed a web job automation suite using xUnit and Azure libraries, improving regression phase efficiency and reducing manual downtime.
- Mentored new team members in automation best practices, accelerating onboarding and fostering collaboration within the team.

PROJECTS

Loadtest Automation tool

- Established a load test automation tool that schedules JMeter scripts to run against non-production environments, featuring resource management and real-time test result sharing via chat.
- Built using Razor Pages and Hangfire, the backend leverages Azure libraries to efficiently scale resources and ensure optimal conditions before each test.

Configuration Management Tool

- Designed and built a configuration management tool for QA teams, allowing for seamless adjustment of configuration toggles in non-production environments.
- Developed with Razor Pages and SqlClient, this tool enhances testing effectiveness by enabling easy management of various configuration settings within the PMS application.

Data-qa id generator tool

- Developed a console application that serves as a data-QA ID generator using HtmlAgilityPack to integrate data-QA IDs into HTML elements, significantly improving traceability and data management practices.

Request tracker tool

- Developed a console application that reads Azure Kusto queries from Google Sheets and retrieves results from Application Insights across various production environments.
- This tool streamlines the tracking and analysis of application performance metrics, enhancing visibility into system behavior.

Personal Projects

⚙ **AI-Chatbot**   *Dec 2020 - Jun 2021*

- A retrival-based chatbot which focuses on casual interaction with the user and using textual conversation to predict user's emotion.
- Deep learning methods such as ANN for chatbot and LSTM for detecting emotion in textual data. Frontend created using HTML, CSS and javascript.

EDUCATION

Bachelor of Technology in Computer Science
GPA: 7.89   *Aug 2017 to Jul 2021*
Sreepathy Institute of Management And Technology

SKILLS

- Programming Languages : C#, Typescript, Python, C++
- Database : MsSql, MySQL
- Framework : Razor, Xunit, Playwright, Cypress, .NET
- Others : Jmeter, Pact.io, CI/CD, Azure, Jupyter, Git