



Objective:

Dedicated IT professional seeking a role in software development / integration / QA where I can apply my technical skills, problem-solving ability, and passion for innovation to contribute to product excellence and organizational success.

Shahin Mohamed

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<https://shahinmohamed.github.io/>

Educational Qualification:

- **Bachelor of Technology (B.Tech)**

Skills:

- **Programming Languages:** C#, Python, Javascript, Typescript, C++
- **AI/ML:** Whisper (STT), Ollama (LLM), Hugging Face Transformers
- **Testing tools:** Playwright, Jmeter, xUnit/RestSharp, Pact.io, Postman, Swagger
- **Database:** MsSql, MySQL
- **Others:** Django, Docker, CI/CD, Azure, Git, .NET Core, Amazon Textract, OpenTelemetry, OAuth 2.0, Razor.

Integration Engine & Standards:

- Mirth Connect, Rhapsody(Learning)
- HL7 V2/ FHIR, XML, XSD, JSON, Delimited Text, CSV, RESTful APIs

Freelance Experience (January 2025 to present):

- a. Contributed to the development of a Breast Information System (BIS), designed to support radiologists by organizing patient records, centralizing imaging and clinical data, and improving efficiency and accuracy throughout the diagnostic workflow.
Tools: Python, Django, Mirth Connect
- b. Built a scalable micro-service for sending SMS utilizing Twilio communication API, the microservice runs as hosted background service, implementing multi-tenant OAuth 2.0 security and OpenTelemetry-driven tracing/metrics for robust, observable, production-ready delivery workflows.
Tools: .NET Core, RabbitMQ, OAuth 2.0, OpenTelemetry
- c. Built a retrieval-based chatbot with Bidirectional LSTM-driven emotion detection, triggering supportive content for users exhibiting strong negative emotions.
Tools: Python, Keras, LSTM, Flask, PRAW API
- d. Developed a robust .NET Core RESTful API integrated with Amazon Textract to intelligently process invoice and bill images, automatically extracting key financial fields including CGST, SGST, and total amounts for downstream use.
Tools: .NET Core, Amazon Textract

Experience in Carestack (Aug 2021 to Dec 2024):

CareStack is a U.S.-headquartered cloud-based dental practice management software company that provides an all-in-one platform for scheduling, billing, clinical workflows, patient engagement, and analytics to help dental practices streamline operations and grow their business.

Tools: Playwright, JMeter, xUnit, RestSharp, Pact.io, Azure, Kusto Queries, Cypress, Razor, Hangfire, .NET MVC, HtmlAgilityPack

Role and responsibilities at CareStack

- a. Specialized in API automation using xUnit, maintaining the framework and streamlining test automation.
- b. Actively participated in performance testing during regression phases, executing product load tests and ensuring informed signoffs through rigorous validation processes using jmeter.
- c. Contributed to UI testing with Playwright by automating manual production sanity, significantly reducing QA time and enhancing efficiency.
- d. Implemented contract testing using Pact.io in microservice repositories.
- e. Collaborated with the database team to resolve parameter sniffing issue in Database, stabilizing performance and enhancing overall system reliability.
- f. 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.
- g. Mentored new team members in automation best practices, accelerating onboarding and fostering collaboration within the team.

Projects

1. Loadtest Automation tool

- Established a load test automation tool that schedules JMeter scripts to run against nonproduction 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.

2. 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

3. 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.

4. 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.

Educational Qualification:

1. Bachelor of Technology from APJ Abdul Kalam Technological University, India

Personal Profile:

Date of Birth : 14th November 1998
Nationality : Indian
Father's Name : Kunjumuhammed
Permanent Address : Panamkuttyil house,
 Sankaramangalam Po.,
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 Palakkad Dist., Kerala State, India

I hereby declare that the above-furnished information is true to the best of my knowledge.