SHEIK MOHAMMED UMAR BASHA

SYSTEM ENGINEER

CONTACT DETAILS

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EDUCATION

JNTUH College of Engg., Jagtial
B.Tech, Computer Science Engineering (CSE)
2014 - 2018

AWARDS AT TCS

- Special Initiative award – 1
- Innovation Pride award – 3
- Best Team award – 1
- On the Spot awards – 3
- LIREL award – 1
- Fast learning awards – 5

*LIREL – "**L**eading change, **I**ntegrity, **R**espect for individual, **E**xcellence, **L**earning and sharing"

TECHNICAL SKILLS

- **Front end** – Angular 10, Ionic Framework, Bootstrap 4, Three.js, Chart.js, TypeScript, JavaScript, HTML5, SCSS, CSS3
- **Back end** - .NET Core (3.1), ASP.NET SignalR
- **Database** – MS SQL Server, Firebase
- **CI/CD** – Azure DevOps, GitHub

SPECIALIZATIONS

- Responsive Web Development
- Backend Microservice Architect (RESTful API)
- Database Modelling
- Machine Learning
- Automation
- Mobile Cross-platform App Dev.

WORK EXPERIENCE

Machine Learning & Automation Engineer at TCS
MACHINE FIRST DELIVERY MODEL (MFDM) TEAM
JUN 2020 – PRESENT

- Design, develop, modify, debug automation code according to functional, non-functional and technical design.
- Collaborate with multiple project team/leads to provide ML/Automation solutions.

Full Stack Developer at TCS
INNOVATION TEAM
OCT 2018 – PRESENT

- Design and develop code architecture as per design patterns.
- Develop POC solutions on latest technologies.
- Take lead in backend development in .NET Core.
- Take initiatives to solve problem with latest technology like IoT, AR, Alexa skills, etc.,

Full Stack Developer - Freelance (Bank - Fortune Global 500)
OCT 2020

- Design, develop and modify the whole web application from scratch to delivery within a month single handedly.

- **Patterns** - MVC + CQRS, MVVM, SOLID, KISS, DRY, POM
- **Automation** – PowerShell, Selenium Python
- **Machine Learning** – SciKit Learn, NLTK, Seaborn, Numpy, Pandas
- **Azure** – Blob Storage, Logic Apps, Cognitive Services
- **Tools** – Abode XD, Power BI, Jupyter Notebook

FEW PROJECT'S SUMMARY

INDUSTRIAL LEVEL

MAJOR PROJECTS

Sustainable Material Tool (SMT)
INNOVATION TEAM – FRONTEND

Gathers material opportunities for planning season and sets season material goals across brands, division & section. The tool also has a provision to set long term opportunities and goals, and visualize the realization of 2030 sustainability goal of H&M. It has Power BI integrated for better data visualization.

- Developed the web filter features, custom elements and other features using Angular 7

AWARD: *On the Spot* (Team) Award from H&M CTO and another from TCS for nominating in top 5 H&M products out of 200+ products.

Take Care Portal (TCP)
INNOVATION TEAM – BACKEND

Standalone application developed for sewing services in the stores of Sweden, France with computer vision search feature and Azure logs.

- Developed TCP architecture in .Net Core with MVC + CQRS pattern integrated with Azure Microsoft Server Database.
- Designed and developed both Database Models and RESTful APIs single handily in the project.
- Developed the translation feature in Angular 8

AWARD: *Best Team award* for zero defects and *Innovation Pride award*.

Seamless Digital Promotion Workflow (SDPW)
MFDM TEAM – TCS RETIAL HACKATHON (FULL STACK)

One stop platform for both buyer's and supplier's to create and handle promotions workflow with azure cloud solutions, recommendation, real–time report and dashboard using PowerBI and SignalR.

- Developed both frontend & backend code along with real–time app solution.
- Used ASP.NET signalR Core for notification, broadcasting and real–time chart.
- Used HangFire open source library for scheduler based tasks in .NET Core along with Real-Time Dashboard.

AWARD: *Special Initiative award* for getting top 8 out of 90 end–to–end project submissions.

MINOR PROJECTS

Web AR Object Viewer (WOV)
INNOVATION TEAM – AR & 3D OBJECTS

Web drag & drop 3D viewer for AR objects for Business owners and executes.

- Develop solution using Three.js with 24 hours.

Impact: TCS won the AR/3D project open contract against Accenture & Wipro companies.

Sale Store RFID Solution
INNOVATION TEAM – IOT SOLUTION

Show the retail product details on scanning with RFID reader on store monitor.

- Provided solution using Respberry Pi & RFID with Python to the innovation lab.

Impact: Got recognition from Innovation labs

Swift Duplicate Error Files Automation
MFDM TEAM – POWERSHELL AUTOMATION

Scan and move the duplicate error files within server. Send Email Report after handling using SMTP from another unrestricted server.

- Automate to login from one server to another to check duplicate error file and send email detail report on file location, time, etc.,
- Used Task Scheduler, PowerShell and PS–Session for automation.

Impact: Saved 1+ hour/day team manual work.

Staffplanner Automation
MFDM TEAM – UI AUTOMATION

Authorize store staff attendance for salary from 3rd party website to internal website. Send Email report to developer/core team along with screenshot.

- Solution using Selenium Python, Batch file, Task Scheduler, SMTP Portal.

Impact: Saved *45min - 1 hour/day* of support team.