



Faizul Bari Qureshi

Senior Software Engineer & Data Scientist



fq.faiz15@gmail.com



faizulbari15



+92 (315) 4843733



GZ4913281



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Why *FaizulBari*?

3+ years of professional experience in .NET and its related technologies. Proficient in Angular JS. Also worked as Data Scientist. Experience in delivering enterprise level projects and managing them in production. Have worked with teams from both large enterprises and start-ups to understand/document the business needs and goals and model them to create custom objects, views, workflow rules, approval processes and validation rules. Expertise in the full product life-cycle: planning, development, customer feedback and iteration

TOOLS & TECHNOLOGIES

- Microservices
- MVC
- WPF
- Web APIs

- .Net Core
- JS, TS, HTML & CSS
- Angular JS
- Azure

- AWS
- SQL Server
- Data Analytics
- Machine Learning (Python)

PROFESSIONAL EXPERIENCE

- **TkXel , Lahore , Pakistan (Feb 2019 – Present)**
Working as “Senior Software Engineer”
- **NetSols: Innovation Group, Lahore, Pakistan (July 2017 – August 2017)**
Worked as “Intern”

Key Projects

- **Knowles – .Net**

Knowles is a US based company which mainly focuses on creating Capacitors and other components which have clients like NASA and Samsung etc. As a part of the development team we developed an extensive CRM system for them to handle and maintain their customers, opportunities and quotes. Security was involved in every step of the application as every KCPart (Capacitor design) is confidential for every customer.

Roles and Responsibilities

- To analyze the business requirements, developed and implemented the MVVM model for the desktop application.
- To successfully develop a Outlook Plug-in for making the application more user-friendly
- To manage the team and extract the requirements from Knowles to successfully meet the deadlines
- Make sure that secure data of Knowles’ customers is never exposed to other customers
- To handle sprint-based deliveries and deployments to Knowles
- To give the hot-fixes and handle all the issues faced the Knowles CRM Applications users

- **Synergy Source – .Net, GraphQL**

Synergy Source is another US based company which deals in renting out the property and the apartments. We developed their web portal from where they can add the Leads and give the Property/Apartments options and give them the respective quotes.

Roles and Responsibilities

- My involvement in project was as a Full-Stack developer
- Actively involved in application architecture, requirement analysis, feature development.
- Worked with GraphQL and .Net Core 3 to implement the web portal for the Client

- **Replenium – Microservices, .Net, Angular JS**

Replenium is a US based company which provides eCommerce solutions to retailers. As a part of the team, We successfully developed the SDK for multiple retailers and to handle the requirements of each retailer/partner in a way that the base solution remains the same.

Roles and Responsibilities

- Analyzed the business requirements and managed the Microservices based model to meet the needs.
- Implemented the micro-services architecture with Azure Service Fabric with .NET Core Web APIs, DI/IoC, Entity Framework code first etc.
- Ensured maximum test coverage of the code using testing frameworks.
- Created a section in Replenium Admin Portal to handle the disturbed scenarios and issues faced by the end-user in replenishments

- **MMP Associates, Inc – Python, AWS Glue**

MMP Associates is a company which deals in Web Marketing and Advertisements. They needed a scheduled ETL job to extract all the data from various endpoints including GoogleAd, preprocess the extracted data in a way that the data became abnormality free data, transform the all the data in a single table after joining them by their most inter-linked features and then Load the data to their S3 bucket to train our Machine Learning models to give the best results for decision making in future.

Roles and Responsibilities

- Performed my role as a Team Lead.
- Gather all the requirements from the client and to give a daily heads up as it was an R&D Project.
- It was mainly done with AWS Glue and AWS Athena for querying.
- Extract all the data from various endpoints including GoogleAd
- Preprocess the extracted data in a way that the data became abnormality free data
- Transform the all the data in a single table after joining them by their most inter-linked features
- Load the data to their S3 bucket
- Train our Machine Learning models to give the best stats and offer the best decisions on them for the stakeholders

- **Epilogue Systems – .Net, AWS, Angular JS**

Epilogue Systems' 2 products are being developed in TkXel. I was a part of FollowMe. It is a browser extension which helps the user to record the screen and perform any set of steps (a kind of tutorial/guide). Then the system extracts meaningful steps and form a document to help others to achieve same goal. It also advises the Author to see the other relevant documents also.

Roles and Responsibilities

- Managed the backend and as a Backend Lead
- Managed the Lambdas and Hosted Services/Workers on AWS
- Helped the team to overcome a crucial time and met the deadline of major milestone
- Managed the SQS, SNS, Lambda separately for different environments
- Did huge code refactoring on the backend as well as in the Lambdas.
- Actively participated in Architectural Decision making.

PROFESSIONAL QUALIFICATION

- COMSATS, BCS, CGPA-3.46 (2015-2019)
- FAST-NUCES, BBA (3 Semesters) (2013 – 2015)

Final Year Project:

- Android Application for Identification of Yellow Rust in Wheat leaves using Image Processing Techniques

Research Projects:

- Successfully developed full fledged database for Hospital Management System
- Detected Chess Pieces' move from series of images using Image Processing Techniques
- Resourcefully developed Personal Management Software.