

EMPLOYMENT

Software Developer	Integrated Dealership Systems (IDS)	Mar 2020 - Present
<ul style="list-style-type: none"> - Member of backend Architecture Team, where we design and review the architecture of our backend services. - Optimized and automated the process of setting up configurations of multiple products/features that eliminated the manual effort of months to a single day which resulted in quicker deployment on over 400+ clients. - Migrated web API's from ASP.NET CORE 2.1 to ASP.NET CORE 6.0. - Introduced/Setup the Integration Testing using dockers for API's that is done locally and automatedly in CI/CD pipelines which ensured reduction of bugs, accelerated overall development life cycle, decreased development time (as integration test is faster to write as compared to unit test) and above all increased confidence on release deployments, thereafter, trained our folks on integration testing. - Migrated the legacy ServiceCRM into an event-based cloud architecture using azure cloud services by removing polling and to increase robustness, availability, and responsiveness of application. - Created Real time data sync system based on event-driven architecture to sync data from Rocket UniVerse Db (legacy Db) to Postgres Db and vice versa to enable runtime data sync for multiple products. - Hosted a private NuGet server on Azure as a serverless component thereafter created NuGet packages for common code and refactored existing API's that resulted in faster build time, increased development time, supported "one fix applied for all" concept and it is now used by over 80 developers across different teams. - Follows industry best practices while designing/developing software like: Clean Architecture, CQRS, Test Driven Development, Microservices, Clean Coding Conventions, Dependency Injection, Unit Testing, and Integration testing to ensure scalability, robustness, maintainability of our software. - Got recognitions multiple times by higher management over hard work, dedication and production of quality software components that added good business value to company. 		

LANGUAGES AND TECHNOLOGIES

- JavaScript, TypeScript, React, Redux, Redux Toolkit, RTK Query, Saga, React Hook Form, MUI Components, JSX, React Testing Library.
- Azure Functions, Azure Service Bus, Azure Event Bus, Azure Blob Storage.
- Postgres, UniVerse Db(NoSQL), RabbitMQ, Hangfire, Jenkins, Docker, Ansible, CI/CD, Private NuGet Server.
- C# 10, Net6, Auth0, Asp.NetCore 2.1, Asp.NetCore 6, Asp.NetCore Middlewares, MS Test, Integration Testing, Moq, WinForms, Entity Framework, Restful API's, Redis Cache and JSON
- Agile Methodologies, GitHub Flow, Git, Visual Studio Code, Visual Studio 2017 & 2022.

EDUCATION & RESEARCH PUBLICATION

- **Bachelor's in Computer Science** from University of Karachi in December 2019, securing **3.14/4.00**.
- **Published the research** as part of final year thesis named "**A Novel Image Dehazing and Assessment Method**" in an international conference IBA-ICICT (16-17 November 2019) at Karachi.

ARTICLES

- Optimization#0001 — Multiple API Calls Inside the Loop(<https://medium.com/p/dccfc3eff6a8>)
- An insight into the evolution of rotation operator to quaternion's. Computer graphics perspective" in Journal of Applied Mathematics and Computational Mechanics.