



Summary

Seasoned Senior Developer with 7 years of expertise in Microservices, proficient in both backend and frontend development within the Azure + .Net + Angular ecosystem. Dedicated to continuous learning and innovation, I strive to design and implement various applications and architectures that facilitate organizational scalability. I am passionate about knowledge sharing, collaboration, and leveraging insights from peers to enhance my skills and contribute effectively.


Work Experiences

 **Senior Software Engineer 2024 - 9**  
Full time | USA Customers | Hybrid ( M Office 1d, Home 29d) | Present

- Design and develop autonomous systems on Azure , leveraging CI/CD pipelines and the full suite of Azure cloud connected with AI models.
- Collaborating with the U.S. squad to deliver tax systems for counties in the California area, working 4 hours daily in coordination with U.S. county clients, 4 hrs development.
- Developing dashboards to monitor system functionality using Azure Application Insights and Azure APIs, ensuring operational visibility and maintaining application resilience.

 **R&D Senior Software Engineer 2021 - 6**  
Full time | European Customers | Hybrid ( W Office 2d, Home 3d) | 2024 - 9

- Architect a system to manage over 5 million electricity meters (India + Egypt) using Microsoft Orleans
- Develop innovative clustering techniques to visualize more than 10 million data points on maps in a novel manner (.Net + Angular) .
- Design integration interfaces between 4 parties to collect data for SCADA and DMS and OMS system for more than 2 million devices.
- Enhance communication protocols for IOT (Socket programming) and create a reverse proxy for
- Integration observability (DLMS/COSEM / {MQTT / Kafka /TCP / UDP / Serial Port } ) .
- Enhance Licensing for IOT system,
- Create productivity tools for validation teams and testers.
- Create a complete CLI to manage IOT ecosystem.

 **Microservices Engineer 2018 - 4**  
Full time | UAE Customers | Office | 2021 - 6

- Create dotnet templates + Nuget packages to improve productivity for Startup software house projects.
- Create a system for cloud management over docker to host and manage the websites of clients.
- Develop over 28 website in ecommerce, education , lab systems (Firebase, SQL Server, MongoDB, .Net, Angular).
- Design Blockchain/MongoDb system to manage projects.

Education

Bachelor's Degree in Computer Information Systems from Mansoura University, awarded with distinction and honors in 2020. Ranked 3<sup>rd</sup> in my class.

Key Skills



Dotnet{ ASPIRE ,MAUI, Blazor , ASP.NET Core {MVC, Rest, GraphQL, gRPCs} , WPF, UWP ,EfCore, MQTTNet, Kafka, ReactiveX, Azure ,Orleans, DAPR, Aspire, YARP, Akka.Net, Docker dotnet , Desktop, IOS, Android, ServiceStack, MassTransit, Azure Functions )



Angular (Rxjs , Material Design , Redux , Reactive forms , Redis, AGM , PrimeNg, OpenStreetMap)



Azure App Services, Azure Functions, Azure Blob Storage, Azure SQL Database, Azure Cosmos DB, Azure Key Vault, Azure DevOps, Azure API Management, Azure Service Bus, Azure Event Grid, Azure Application Insights, Azure Monitor



- Agentic AI, MCP Servers, AI flow Engineering, AI App Integrations
- SQL Server, Oracle DB, My SQL, Postgresql
- MongoDB, Influx Db, Elastic search
- TDD, DDD, Agile Scrum, Git, Github , Gitlab, TFS, Azure Devops, Jira
- SOLID, Design Patterns , Software architectures in deep (Microservices, SOA , CORBA )