WAQAR KHAN
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SUMMARY
- **9**+ years of IT experience in full SDLC including Analysis, Design, Development, Implementation and Testing of Web Based, Client-Server, DDD, Microservices and N-tier Architectures.
- Experience in Azure eco system, creating Azure subscriptions, Azure SQL Service, PowerBI services, resource groups, App services deployment, function apps and Azure VMs.
- Have extensive working on SAAS, PAAS and FAAS applications.
- Application development experience using OOAD, DDD, OOP, Design Patterns, SOA, MVC, Multithreaded programming, n-Tier, Client/Server applications and Web applications.
- Managing teams of 2-4 members and meeting on all the deliverables.
- Experience in using ASP.NET framework for quickly creating efficient and interactive Web applications that work across all popular browsers.
- Hands on experience implementing Domain Driven Design and implementing Microservices architecture.
- Hands on experience in design using Object Oriented Programming Principles like Inheritance, Polymorphism and Design patterns like MVVM, Abstract factory, Singleton.
- Experience in database analysis, design, development, testing, implementation and production, support (SDLC) of the client/server, N-Tier and Web based applications
- Experienced in Configuration Management, setting up company Version policies, build schedule using Team Foundation Server 2010 and Visual Source Safe (VSS), SVN.
- Created Stored Procedures, Functions, Packages, Triggers, Indexes and Views using T-SQL in development and production environments for the SQL server 2008/2005

EDUCATION
- Bachelor of Science Electrical Engineering, University of Kentucky. Lexington, KY

SKILLS

Programming Languages	C, C++, Visual C#, Visual Basic
Web Technologies	ASP.NET, ASP.NET CORE, MVC 5, Azure, Azure App Services, Azure VM, Azure AD, Azure Function, Azure Dev-ops, WebAPI, WebAPI Core, MVC 4, MVC 5, MVC 6, Angular 8, Angular Js, ASP, HTML5, AJAX, XML
Desktop Tech	Web Services, WCF, WPF, Silver light, DevExpress, Telerik Controls
Scripting Languages	JavaScript, jQuery, Angular.js 1.0, Backbone.js, Mustache, Marionette, Handlebar.Js
Markup Languages	HTML 5, DHTML, XML, XAML, CSS3
.NET Technologies	.NET Framework (1.1/2.0, 3.5, 4.0, 4.5,4.6), ADO.NET, Web Services
Software Engineering	SDLC, UML, Agile Programming, SCRUM
Database Development	SQL Server (2005/2008/2010/2016), T-SQL, DTS, NoSQL, RavenDB, MongoDB
XML	XML, XSL, XSLT, XSD, SOAP, WSDL
Operating Systems	Windows XP/2000/NT/Vista, Windows 8, Windows 10
RAD/IDE	Visual Studio 2008/2012/2017/2019, Visual Basic 6.0, IntelliJ IDEA 15 CE
Version Control:	Visual SourceSafe, Jira, Team Foundation Server (TFS), SVN, XLR, vNext, TeamCity, Bamboo, Git.
Modeling and Testing Tools	Microsoft Visio 2003, nUnit, NMOck, dotMemory, dotTrace, Jasmine, Karma, Cucumber, SpecFlow, TestLink

EXPERIENCE

June'20- Present   *Senior Consultant, Microsoft (contract)*

Projects: FrontDoor Global Migration
Projects: AQS Integration Service Migration

Worked on the migration of on prem application to Cloud for the CM services. Front door application is the entrance point to all CM services. Different types of token validation takes place in the FrontDoor.

AQS integration service was another microservice that got lifted and shifted from the on-prem to Azure. The service was decoupled from phx and it was transitioned to the CM services hosted in the Azure.

Environment: **.**NET Framework 4.5, 4.6, WebAPI, Azure AD, Git, C#.NET, C# 7.0, Microservices, Domain Driven Design, MS Visual Studio2019, SQL Server 2016, Team Foundation Server, IOC and Dependency Injection, MS Teams, MVC,WPF, Webservices, Service Fabric Cluster, ARM templates, AP Pilot, AP Gold, Geneva Monitoring, Xpert Logs

Dec'17- June'20   *Senior Consultant, CDW, Vernon Hills, IL*

Projects: Order Performance Data Analytics

Worked on designing, implementing, and architecting an Angular 8 application from the scratch, using .NET CORE WEB APIs for the backend APIs. Microsoft Graph API was used to bring back date of the users. The application was responsible for integrating PowerBI dashboards and reports for the C level executives. This application was using Azure, Azure app services and employing Azure functions for the Authentication and authorization. This application was created keeping in mind the SAAS approach this will take in future. These solutions were developed heavily on PAAS approach. Azure AD is configured and used for the Authentication and Authorization. Roles based authorized was configured. Worked on the full SDLC for the application. Created microservices for the retrieval of orders and quotes. Azure App services were used for its deployment. Azure Dev-ops were used for CI/CD. Service Fabric cluster is used with ARM templates for microservices in Azure.

Order Manager one Architecture:

Worked with the revamping of the whole infrastructure of the Order Manger portal, a custom build CRM/Order processing platform supporting $300M monthly revenue with turnover for 3MN customers, worked with enterprise architects and application architects on moving the application to microservices level architecture. Created and designed Web APIs for moving towards microservice architecture. Angular, WPF, Azure App technology were used.

- Implemented Domain Driven Design (DDD) for new applications.
- Helped, envisioned the transition process for CDW towards modern state of the art Tech stack.
- Strangler Architecture pattern was used for moving the monolithic application architecture to microservices architecture.

- Worked on implement business logic and infrastructure in .NET Core 2.1.
- Designed and develop custom microservices on .NET core, using patterns like DDD and CQRS.
- EF Core 2.1 was used as ORM to the SQL server database for data.
- Created Azure functions on top of .NET core 3.1 and used the PowerBI Client for .NET CORE.
- Worked on distributed version control system/Subversion called **GIT** and comfortable with feature branches, rebasing, merging.
- Worked on designing and implementing SAAS application for the client, employing multi tenant setup and creating tenant onboarding pages for easier transitions of the new clients.
- Created an internal angular Application and made used of Azure Functions for the authentication.
- Deployment of Angular apps into Azure App services.
- Led a team to create a web app that had Embedded PowerBI reports for the executives.
- Configuring App services, Multi-tenants, single tenants in Azure AD.
- Responsible for direct interface with different clients and stakeholders and helping them build technical roadmaps via Roadmunk, architecture designs, product selection and translating business requirements.
- Responsible for mentorship, growth, and delivery success of our developers, responsible for code reviews, peer reviews, and technical mentoring.
- Setting up CI/CD for the git repository to the Azure apps.
- Experience in Web development with a strong background working on open source technologies, including HTML/HTML5, CSS3, Bootstrap, Angular 8.
- Worked on Implementing Web applications in Angular 8, using Typescript, bootstrap, Angular Material, Font Awesome.
- Led and Mentored a team of four developers and speeding them up on the application architecture and coding standards.
- Coached developer on the coding skills and industry standards.
- Moved the monolithic application towards microservices architecture.
- Develop reusable patterns, practices, and reference architectures through research and Proof of Concept builds.
- Strong Technical skills on Microsoft Technology stack: .Net framework, C#, SQL Server, RESTful   Web APIs, and ASP.NET Core, Angular 8, bootstrap.
- Worked on moving the applications to Docker containers for some of the APIs
- Developed the core application infrastructure C#/WPF/XAML/.NET 4.0/MVVM
- Implemented strategy to leaders and knowledge workers via roadmaps, conceptual diagrams and solution documents.
- Provide consultation to teams on the tactical application of reference architectures and the strategic direction of enterprise technology.
- Identify, evaluate, and vet technologies for use in the enterprise technology landscape.
- Drive change from within IT through communication with teams regarding processes, standards, and culture.
- Support vendor selection and analysis process by evaluating vendor architecture's fit within the Domain.

Environment: **.**NET Framework 4.5, 4.6, .NET CORE 2.1, .NET CORE 3.1, SAAS, FAAS, IAAS, Azure Functions, Azure App Services, PowerBI, OAuth2, OpenID, JWT, Reactive Programming, **Angular 8**, HTML 5, .NET Core, WebAPI, Azure AD, Git, C#.NET, C# 7.0, Microservices, Domain Driven Design, MS Visual Studio 2017/2019, SQL Server 2016, DevExpress, AutoFac, IBMI AS400, Third-party UI Tools, Team Foundation Server, IOC and Dependency Injection, Jira, MOQ, SpecFlow, MS Teams, Cucumber, MVC,WPF, Custom Controls, XAML, Webservices, Jasmine, Karma, Angular Material, CA Workload Automation.

Jan'17-Nov'17   *Team Lead Full Stack Development, **DirectWorks**, Inc. Pittsburgh, PA*

Designed and implementing SaaS application which was used by Forbes 100 for their logistics infrastructure.

• Extensive expertise in developing Web technologies using ASP.NET, ASP.NET MVC3, jQuery.
 • Extensive experience in SQL Server Database design, Database maintenance, developing T-SQL queries, stored procedures, and triggers using SQL Server.
• Strong Technical skills on Microsoft Technology stack: .Net framework, C#, SQL Server, RESTful Web APIs, and ASP.NET.
• Extensive expertise in ASP.NET framework along with module development, site management.
• Strong experience in design patterns like Model View Controller (MVC).
• Experience as a Front-end web developer in developing and designing user experiences of Internet/Intranet applications using HTML4.0, XML, JAVASCRIPT, JQUERY, JSON.
• Design, development deployment, hosting and integration of web applications and web services.
• Experience in web development with a strong background working on open source technologies, including HTML/HTML5, CSS3, Bootstrap, AngularJS.
• Experience in using the JavaScript frameworks JQUERY, Backbone.js.
• Knowledge on implementing directives and scope values using Angular JS for an existing webpage

Environment: **.**NET Framework 4.5, ASP.NET WebAPI, C#.NET, C# 5.0, MS Visual Studio 2012, SQL Server 2012, ADO.NET, Entity Framework, DevExpress, Third-party UI Tools, Team Foundation Server,, IOC and Dependency Injection, dotTrace, IIS, dotMemory, TestLink, Jira (Defect Tracking), NoSQL, RavenDB, MVC, Backbone.js, Underscore.js Mustache, Marionette, Handlebar.js, Telerik controls- Kendo UI, jQuery, jQueryUI, Bamboo, Castle Windsor, WebAPI, cDevWorkFlow.

Apr '13 – Dec '16   *Lead Software Engineer (WPF)*, **Needles, Inc. Owings Mills, MD**
Responsible for client interaction, planning, architecture, execution, and final delivery of the full re-write of complex legal case management software products from PowerBuilder into WPF C#. NET. Worked with a team of 8-10 IT professionals to deliver a stable and efficient product over several release iterations utilizing a combination of agile and waterfall methodologies.

- Worked with Needles to redesign and reinvent the company's legal case management application built in PowerBuilder. Helped envision and visualize their future through product ideation, UI design, information architecture, prototyping and application implementation
- Led team offshore team of five developers in Ukraine.
- Developed the core application infrastructure C#/WPF/XAML/.NET 4.0/MVVM/Unity before handing off product implementation to their in-house development team
- Heavily involved in the Logical and Physical Database Design involving Creating tables, Views, Stored Procedure-SQL and optimized the SQL statements in the SQL server 2005
- Responsible for Graphical User Interface (GUI) development for software systems
- Worked with the business stakeholders for the application and provided technical insight to business analysts to complete the application functional specification

Environment: **.**NET Framework 4.0/3.5, C#.NET, MVVM, C# 4.0, C# 5.0 MS Visual Studio 2010/2008, SQL Server 2008/2005, ADO.NET, WPF, ORM (NHibernate), SQL, SYBASE, PL/SQL, DevExpress, Third-party UI Tools, ActivePro, TeamCity Server, SVN, Resharper, Design Patterns, Factory Pattern, Singleton Pattern, IOC and Dependency of Injection. Architecture, PowerBuilder, dotTrace, dotMemory.

Jan '12 – Mar '13   *Senior Software Engineer***, General Motors Warren, MI**
The project mainly deals with the production of Cost Engineering Professional-Next Generation (CEpro – NG) development effort is to add value to the GM Cost Engineering True Cost Analysis process by providing the vehicle to ensure the consistency of generated estimates across regions by utilizing global common data for specific cost drivers and a universal costing methodology.