

WAQAS AHMAD

Senior Software Engineer & Technical Lead | Software Engineering Consultant

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PROFESSIONAL SUMMARY

Senior Software Engineer & Technical Lead with **17+ years** of experience architecting enterprise-scale solutions for **Fortune 500 companies** across **USA, Europe, and Asia-Pacific**. Specializes in **.NET Core, ASP.NET, C#, Microservices Architecture, RESTful API Development, Azure Cloud, and CI/CD automation**. Proven track record delivering mission-critical systems processing **2.5M+ data points daily**, achieving **65% performance improvements**, and leading teams managing **billions in operational costs**. Extensive international experience working with clients in **USA, Europe, Southeast Asia, and globally**. Mentored **50+ developers** across distributed global teams. Available for onsite and remote positions worldwide with flexible timezone support (EST, PST, GMT, CET, SGT). Expertise in Agile/Scrum methodologies, technical leadership, full-stack development, and cross-cultural team collaboration.

Keywords: Senior Software Engineer, Technical Lead, .NET Core, C#, ASP.NET, Microservices, Azure Cloud, SQL Server, Angular, Vue.js, RESTful API, DevOps, CI/CD, Agile, Scrum, Entity Framework, Technical Leadership, Fortune 500, Enterprise Solutions, Global, International, Cross-functional Teams, Full Stack Developer, Software Architecture, Cloud Migration, API Development, System Integration, Software Engineering, Backend Development, Frontend Development, Cloud Architecture

PROFESSIONAL EXPERIENCE

Lead Software Engineer & Technical Consultant / Independent Consultant

January 2022 - Present

Remote/Global (USA, Europe, Asia-Pacific)

- Delivered enterprise solutions to **Fortune 500 clients** across **5+ countries** (USA, Europe, Asia-Pacific), specializing in Azure cloud architecture and .NET Core microservices
- Architected Azure cloud solutions reducing infrastructure costs by **40%** while achieving **65% performance improvements** for mission-critical systems serving global markets
- Built complete applications from database design to user interface, ensuring seamless integration and optimal user experience for international clients
- Delivered projects **25% faster** than industry standards with **99.9% uptime** for mission-critical petroleum operations managing billions in maintenance costs
- Pioneered remote-first development practices across **5+ time zones** (EST, PST, GMT, CET, SGT), managing distributed teams for Fortune 500 clients with **99.9% delivery success rate**

Technical Lead / AirAsia Tech

June 2021 - August 2022 (1 yr 3 mos)

Kuala Lumpur, Malaysia (Southeast Asia Regional)

- Led development of AirAsia ID90 Portal, a mission-critical employee benefits platform enabling 90% discounted flights within 60-minute departure window, processing **3,000+ bookings daily** with **99.9% uptime** for millions of employees across Southeast Asia
- Architected .NET Core microservices with Angular frontend, Azure App Services, and Azure SQL Database, serving **millions of users** across **Southeast Asia** (Malaysia, Thailand, Indonesia, Philippines)
- Implemented real-time flight monitoring, automated discount application, and comprehensive refund management system with **95% automation rate**, reducing manual processing significantly

- Standardized CI/CD pipelines with Azure DevOps, reducing delivery time by **40-50%** while ensuring code quality and zero-downtime deployments
- Optimized Entity Framework + LINQ queries, improving database performance by **35%** and reducing query execution time for real-time flight operations
- Led cross-functional team of **8+ engineers** from multiple countries, developing enterprise-grade applications, conducting code reviews and knowledge transfer sessions

Technical Lead | Datacom Systems Sdn Bhd

February 2020 - January 2021 (1 yr)

Kuala Lumpur, Malaysia

- Developed microservices architecture with API Gateway integrating **7+ third-party systems** (SharePoint, SAP, Cherwell, Success Factor, Datalake) under unified Azure AD authentication
- Designed Azure Service Fabric cloud infrastructure with SQL Server, implemented CI/CD pipelines with ARM templates for multi-tenant deployments across DEV/QA/UAT/PROD environments
- Optimized n-tier application architecture with Entity Framework best practices, improving query performance and system responsiveness by **30%**
- Integrated enterprise systems (SAP, Cherwell HR, Application Insights) with custom APIs, enabling seamless data flow across business operations
- Implemented Agile/Scrum practices with sprint planning, backlog management, and daily standups, ensuring on-time delivery of all project milestones

Technical Lead | Syntronic Malaysia Sdn Bhd

July 2019 - January 2020 (7 mos)

Kuala Lumpur, Malaysia

- Developed ASP.NET Core REST APIs with Swagger documentation and SignalR for real-time bidirectional communication in IoT monitoring systems
- Successfully revamped major module (backend, frontend, database) in under **2 months**, delivering Angular SPA with responsive design and enhanced UX
- Implemented CI/CD automation with Azure DevOps, Docker containerization, and automated unit testing, reducing manual testing time by **60%**
- Utilized Cosmos DB, Azure Functions, and Azure Storage for scalable solutions
- Active participation in Agile ceremonies and comprehensive code reviews

Technical Lead | Iconic Control Sdn Bhd, Petaling Jaya, Malaysia (May 2018 - Jul 2019): Architected 7+ smart city solutions from scratch (Transportation, Law Enforcement, Taxation, Land Planning, Project Monitoring) achieving 50-60% revenue growth. Implemented OCR-based enforcement systems, GIS mapping with Supermap, and IoT sensor integration for real-time monitoring.

Technical Lead / Senior Software Engineer | Squad Cell, Lahore, Pakistan (Nov 2012 - Mar 2018, Promoted 2015): Architected cloud-hosted e-commerce platform with .NET MVC and Angular. Developed data analytics framework and notification microservices. Standardized Agile/Scrum practices and DevOps automation.

Game Developer | GenITeam Solutions, Malaysia (Jun 2011 - Oct 2012): Developed company's first in-house 2D physics engine. Created Marine Defender (ranked #21 Arcade & Action) generating \$2M revenue in first 2 months.

Software Engineer | DSOL (Kiics), Malaysia (Jan 2008 - Jun 2011): Developed university admission management system reducing operational costs by 30%. Built multi-threaded mass email client. Awarded Best Programmer at KICS Annual Ceremony.

TECHNICAL SKILLS

Programming Languages #CSharp #DotNetCore #ASPNETCore #JavaScript #TypeScript #SQL #LINQ #HTML5 #CSS3	Frontend Frameworks #Angular #VueJS #React #Bootstrap #jQuery #PrimeNG #ChartJS #Leaflet	Backend & APIs #RESTfulAPIs #GraphQL #SignalR #Swagger #OpenAPI #EntityFramework #Dapper #AutoMapper
Cloud & Azure #AzureAppServices #AzureFunctions #AzureServiceFabric #AzureCosmosDB #AzureKeyVault #AzureStorage #AzureAD	Databases #SQLServer #Redis #CosmosDB #EntityFrameworkCore #LINQ2SQL #DatabaseOptimization	DevOps & CI/CD #AzureDevOps #Docker #CICD #ARMTemplates #GitHubActions #Nexus #AutomatedTesting
Architecture & Design #Microservices #APIGateway #SOLIDPrinciples #MVVM #MVC #DesignPatterns #SystemIntegration	Methodologies #Agile #Scrum #TDD #CodeReview #TechnicalLeadership #TeamMentoring #ProjectManagement	

EDUCATION

Bachelor of Computer System Engineering (Honors) / University of Engineering and Technology 2006 - 2013

Lahore, Pakistan

Completed a comprehensive 4-year honors program in Computer System Engineering, specializing in software development and system architecture. Laid the foundation for expertise in enterprise-level applications, database design, and scalable system solutions.

AWARDS & ACHIEVEMENTS

National Speed Programming Champion 2010

ACM All Pakistan Speed Programming Competition

Secured first position in the most prestigious programming competition in Pakistan, competing against **500+ top-tier developers** from leading universities nationwide. Demonstrated exceptional problem-solving skills and algorithmic thinking.

HR IT Expert Award 2013

Guinness World Records Pakistan - Punjab Youth Festival

Recognized as the premier IT expert for orchestrating the technical infrastructure of Pakistan's largest youth festival, managing **150,000+ participants**. Pioneered innovative solutions that enabled seamless event coordination and earned recognition in Guinness World Records.

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