







# 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 | GenTeam 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

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

 **View Full Interactive Resume:** <https://waqasahmad-portfolio.web.app/#resume> - Explore detailed project portfolios, architecture diagrams, performance metrics, and comprehensive technical expertise.