



# WAQAS AHMAD

## Technical Lead Software Developer

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### Senior Software Engineer Full Stack (15+ years) / Technical Lead (10+ years overall as Technical Lead)

- Participated in developing, designing and deploying enterprise web applications using .net technical stack while assisting cross functional teams on-site and in remote setups. Coordinated with team members to solve complex technical problems.
- Stake holders management for deliverable and team capacity utilization.
- Standardized DevOps and agile practices throughout the career in reputed tech giants.
- Handled challenges involving application performance optimization and architectural improvements in terms of design, reusability and stability of applications.

### Senior Azure Cloud Developer / DevOps / Architect (10+ Years).

- Worked on wide range of web applications with key skills featuring Azure Functions, App Services, Service Fabric, Key Vault, App insights, Blob Storage, Identity Management, Graph API/ Graph QL related operations, Azure Notification Hub.
- Standardized DevOps practices such as: Automating workflow using CI/CD pipelines, branching strategies, pre / post application deployment approvals,
- Managed YAML pipelines as per project need, Identified and mitigated security vulnerabilities.
- Integrated KeyVault with YAML pipelines, managed cluster and application certificates for deployment, managed Nuget packages and libraries.
- Analyzed cost and selection of core cloud components for given design and budget constraints.
- Minimized cost overheads by evaluating architectural decisions & design constraints.

### Technical Manager (8+ years)

- Hired right candidates for the organization while maintaining budget constraints.
- Collaborated with stakeholders and managed business requirements.
- Managed team capacity utilization in an agile / scrum oriented SDLC while working with cross functional teams connected on-site or remotely affiliated in different time zones. Provided technical consultation for selection of right tools to achieve desired results.

## Skills

- |  |                                   |
|--|-----------------------------------|
| • Microsoft Azure Developer & DevOps             | • Angular                         |
| • ASP.NET Core                                   | • SOAP / Rest API                 |
| • Microservices (Azure API Gateway)              | • DDD (Domain Driven Development) |
| • RDBMS (Relational database Management Systems) | • SQL Server                      |
| • Git  | • HTML & CSS                      |

- JQuery
- AJAX
- Azure Service Fabric
- Azure DevOps
- Design Patterns
- LINQ
- Entity Framework
- Agile Project Management
- Architectural Design
- Documentation
- NUnit
- Database Design
- Postman
- JavaScript
- Bootstrap
- Typescript
- Vue.JS
- MVVM
- ADO.NET
- Solid Principles
- IT Project Management
- Enterprise Architecture
- Microsoft Unit Test Framework
- XUnit
- Performance Optimization
- Swagger / Swagger UI

## Experience

.Net Core, Azure & DevOps Consultant

**FREELANCE, Batu Caves, SELANGOR**

*January 2022 - Present*

- Integrated third-party APIs into existing web applications leveraging JSON and XML data formats.
- Optimized existing codebase by refactoring legacy components into reusable libraries.
- Coordinated with development teams to ensure proper implementation of DevOps processes and cost effective utilization of cloud resources on Azure.
- Resolved complex software bugs reported from customers in a timely manner including production issues and hot fixes.
- Deployed and monitored applications on multiple environments like DEV, QA, UAT, PROD using CI, CD pipelines.
- Monitored availability of servers by configuring alerts and notifications based on thresholds via Log App Insights.

Senior Technical Lead

**AIRASIA, Sepang, SELANGOR**

*June 2021 - August 2022*

- participated in revamping of old applications and creating new applications related to airlines domain including AirAsia super app.
- Performed integration of Swagger with API's deployment for testing purpose.
- Created and maintained CI/CD pipelines for standardization of DevOps practices.
- Mobilized effective branching strategies, implemented pre, post deployment approvals and policies across DevOps processes.
- Enforced Entity Framework best practices and LINQ query optimizations for effective performance improvement.
- Lead a team of software engineers in the development of complex, multi-tier web applications.

Technical Lead

**DATACOM, Kuala Lumpur, FEDERAL TERRITORY**

*February 2020 - January 2021*

- Lead development of cloud hosted application involving core cloud components such as Azure service fabric, standardization of DevOps processes involving CI/CD, deployment approvals and policies.
- Developed microservices with API gateway having several third party integrations under single azure AD authentication including but not limited to Datalake API, Cherwell HR, Success Factor, Sharepoint, SAP with Planet8 and Planet 9 and Application insights.
- Deployed applications across multiple environments including development, testing, staging and production, while providing build and deployment automation for different tenants using AMR templates.
- Provided technical guidance to team members on product design decisions, coding practices, testing methodologies, and debugging procedures.

Technical Lead

**SYNTRONIC, Kuala Lumpur, FEDERAL TERRITORY**

*July 2019 - January 2020*

- Lead development of web applications using Angular, .Net Core & various cloud components while standardizing DevOps operations including CD/CD, deployment approvals and policies, repository and backlog management.
- Designed database architectures that improved scalability while maintaining data integrity.
- Implemented automated unit tests to reduce manual testing time and increase reliability of the final product.
- Optimized existing applications by refactoring code or implementing new technologies.
- Managed daily operations of the software engineering team by allocating tasks, overseeing projects and resolving conflicts.

Technical Lead

**ICONIC CONTROL, Petaling Jaya, SELANGOR**

*May 2018 - July 2019*

- Lead designing web systems for smart city concept involving Land planning, law enforcement, monitoring, project management, transportation management, taxation & various different domains.
- Established Cloud infrastructure and enforced DevOps practices involving CI/CD processes, pipelines creation and refinement, release management and approvals.
- Delegated responsibilities with attention to personnel adeptness at specific technical tasks.
- Monitored project progress against milestones and took corrective action when needed.
- Implemented automated unit tests to reduce manual testing time and increase reliability of the final product.

Senior Software Engineer

**SQUAD CELL, Lahore, PUNJAB**

*November 2012 - March 2018*

- Managed development of e-commerce systems from scratch deployed on cloud infrastructure.
- Created data analyzing framework to automatically suggest and recommend products or features based on frequency of product orders, catalogues, user rating and many other factors on demand.
- Standardized DevOps practices by enforcing CI/CD, branching policies, deployment policies and approvals, Scrum board management, repository management and version control systems.
- Developed custom scripts to automate repetitive tasks within the software development life cycle.
- Built RESTful web services using .net framework that enable mobile apps with backend integration capabilities.

Senior Software Engineer

**GENITEAM SOLUTIONS, Lahore, PUNJAB**

*July 2011 - October 2012*

- Created physics based game using box2d physics engine which were ranked from 1 to 50 several times globally in overall Arcade & Action Category.

- Developed database design and structure, created RESTful services to be consumed by role playing games using .net framework with XML & Json.
- Mentored team members in object-oriented programming principles and design patterns.

Software Engineer

**DECRYPTERS SOLUTIONS, Lahore, PUNJAB**

*January 2008 - June 2011*

- Functioned as a web developer involved in development of web solutions with .net framework stack.
- Managed software development and release of university management system featuring administrative operations and back office support.
- Worked on unique research project for parental control application with requirement of innovative solution to be browser independent.

## Education

Completed coursework towards Bachelors in Computer System Engineering

**University of Engineering and Technology, Lahore**

*September 2013*

- *Relevant Coursework*
  - Web Technologies
  - Data Structures & Algorithm Analysis
  - Theory of Automata
  - Computational Methods
  - OOP / OOAD (object oriented analysis / object oriented analysis & design)
- *Extracurricular Activities*
  - IEEE Students Page Member
  - ACM Member
  - Hosting / Participating in speed programming competitions

## Certifications

- Clean Architecture

## Languages

- |                                  |                            |
|----------------------------------|----------------------------|
| • <b>English</b><br>Native       | • <b>Urdu</b><br>Native    |
| • <b>Hindi</b><br>Bilingual      | • <b>Punjabi</b><br>Native |
| • <b>Malay</b><br>Conversational |                            |

## References

References available upon request

## Awards

- First position in All Pakistan speed programming competition held at University of Engineering and Technology Faculty of Electrical Engineering in year 2010.
- First position in electronics club All Pakistan speed programming in year 2008 held at national university of science and technology.
- First position in SeeCom All Pakistan speed programming competition in year 2010.
- Judge for speed programming competitions nationwide 3 times and even designed problem sets.