# Ali Asad Hassan

Lahore, Punjab Pakistan
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Full Stack .NET Engineer | .NET | Azure | Snowflake | Data Engineering

Results-driven Senior Software Engineer with 8+ years of experience in designing, developing, and optimizing enterprise-level web applications. Expertise in ASP.NET Core, MVC, Azure Databricks, Snowflake, Web APIs, and SQL Server. Strong problem-solving skills with a focus on data migration, workflow automation, and cloud computing. Proven ability to lead teams, enhance system performance, and deliver scalable software solutions. Open to relocation opportunities in UAE, Saudi Arabia, and Canada.

## Skills

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|---|---|---|
| Github | SQL Server 2012 | C# |
| Jquery | Bootstrap | ADO.Net |
| HTML | JavaScript | ASP.Net |
| Asp.net MVC | ERP Customization | WebAPI |
| AJAX | Angular 16/17 | Asp.Net Core |
| Microsoft Azure Databricks | Snowflake (SAAS) | |

## Experience | 8 years

**SENIOR SOFTWARE ENGINEER / SOFTWARE ENGINEER** | ALGOMUS (ALGO) - Lahore, Pakistan | Feb 2024 - Present
Key Responsibilities:

- **Data Migration & Transformation:** Led **migration of 1TB+ data** from **Azure Databricks to Snowflake,** improving processing speed by **30%.**
- **Azure Databricks Optimization:** Resolved data feed issues and optimized performance; collaborated with data engineers to enhance pipeline scalability.
- **Snowflake Implementation:** Configured Snowflake for high-volume data processing and developed SQL scripts for efficient reporting and analytics.
- **Workflow Automation:** Automated data ingestion, processing, and storage using Azure Data Factory, creating seamless end-to-end pipelines.
- **Technical Problem Solving:** Analyzed and resolved data inconsistencies and performance issues, working cross-functionally for real-time troubleshooting.
- **Big Data Tools:** Leveraged Azure Databricks, Snowflake, Azure Data Lake, and SQL to optimize data management and implement best practices.

Achievements:

- Migrated high-volume data feed from Azure Databricks to Snowflake, improving data processing speed.
- Reduced data processing time by 30% through workflow automation and optimization.

**ASP.NET DEVELOPER / MVC DEVELOPER** | MICROSOFT INNOVATION CENTER - Lahore, Pakistan | Sep 2016 - Dec 2016
Worked in Microsoft Asp.Net WebForms, Asp.net MVC, C#

**ASP.NET DEVELOPER / MVC DEVELOPER** | UNIVERSITY OF SOUTH ASIA LAHORE - Lahore, Pakistan | Oct 2014 - Mar 2015
Internships – University of South Asia as a Web Developer worked in MVC 4 with LINQ Queries and Entity Framework

## Education

**University of South Asia**,  Lahore / Bachelors of Science in Computer Science (2017)

## Projects

**SCRIBES** | Magnatec Systems | May 2018 - Oct 2020 | https://scribeserp.com/ | Tools: Asp.net/MVC, Asp.net/SQL/Jquery/Javascript
**Key Responsibilities:**

- **ASP.NET MVC Development:** Developed and maintained scalable applications using ASP.NET MVC, delivering robust solutions aligned with business requirements.
- **LINQ Query Optimization:** Utilized LINQ queries to streamline database access, improving data retrieval efficiency and application performance.
- **Design Patterns:** Applied Singleton and other design patterns to ensure efficient, reusable, and maintainable code architecture.
- **Code Quality & Collaboration:** Worked closely with cross-functional teams to implement best practices in code structure, enhancing overall code quality and maintainability.

**Achievements:**

- Enhanced application performance through optimized LINQ queries and design pattern usage.
- Contributed to a stable, maintainable codebase by implementing industry-standard design patterns, supporting long-term application scalability.

**SMACC (Saudi Management Accounting Systems)** | Magnatec Systems | Oct 2017 - Jan 2024 | https://www.smacc.com/en/
 | Tools: Asp.net/MVC, Asp.net/SQL/Jquery/Javascript
Senior Software Enginner worked as a Team lead in this project
**Key Responsibilities:**

- **Full-Stack Development:** Built and maintained scalable web applications with ASP.NET WebForms and MVC; enhanced user interfaces using JavaScript, jQuery, and Bootstrap to improve client engagement.
- **Backend Development:** Streamlined database interactions with ADO.NET and LINQ; optimized SQL queries, stored procedures, and triggers to support high-volume applications.
- **RESTful API Development:** Developed and integrated secure, efficient APIs for seamless cross-platform functionality and data sharing.
- **Project Lifecycle Management:** Managed end-to-end project activities, from requirements gathering to deployment, ensuring reliability through best practices in version control and testing.
- **Client & Team Collaboration:** Acted as a liaison between clients and teams; mentored junior developers in coding standards and project best practices.

**Achievements:**

- Increased client operational efficiency by 40% through custom web application solutions.
- Improved application load times by 25% with query optimization and code refactoring.
- Enhanced user experience, achieving a 20% increase in customer satisfaction.

**SMACC Launcher** | Magnatec Systems | Mar 2017 - Feb 2024 | https://arabsea.com/en/ | Tools: Asp.net/MVC, Asp.net/SQL/Jquery/Javascript

### SMACC Launcher Web Application

Developed the SMACC Launcher, a web application that enables users to purchase SMACC software efficiently. Key features include a user-friendly interface for streamlined navigation, secure payment processing, and real-time software availability updates. The application is designed to enhance user experience and facilitate seamless transactions, contributing to increased software adoption and customer satisfaction.

## Certifications

- Microsoft Innovation Center Internship , Microsoft
  Innovation Center | 2016

## Languages

Urdu - Native | English - Medium

## Hobbies

Computer Games

## References

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