

# Wasim Akhtar

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## Professional Summary

Results-driven Senior System Analyst and Technical Lead with 12+ years of experience in software development, cloud architecture, and DevOps. Expert in .NET 8, C# 11, ASP.NET, Blazor, Telerik, Azure, AWS, Docker, Kubernetes, and service-oriented architecture (SOA). Strong analytical skills with proven track record leading cross-functional teams, delivering scalable enterprise solutions across cloud and on-premises environments. Passionate about unit testing, multithreading, CI/CD pipelines, and desktop application development.

## Technical Skills

**Programming Languages:** C# 11 (C-Sharp), Python, VBA, Visual Basic .NET, JavaScript  
**Frameworks and Libraries:** .NET 8, .NET Core, ASP.NET MVC, Entity Framework, Blazor, Telerik UI for Blazor, Angular, MAUI, SignalR, ML.NET, WebAssembly, REST APIs, SOAP, gRPC  
**Cloud Platforms:** Microsoft Azure, Amazon Web Services (AWS), Azure Kubernetes Service (AKS), AWS CloudWatch, Azure Entra ID, Azure Key Vault, Azure Blob Storage, Azure CDN, Azure Service Bus, Azure Event Grid  
**DevOps and Tools:** Docker, Kubernetes, Helm Charts, CI/CD Pipelines, Azure DevOps, Git, Jira, IIS, HeadLamp, FreeLens, GitHub Actions  
**Databases:** SQL Server, MS Access, ADO.NET, Entity Framework Core, Dapper, Redis, LINQ  
**Architecture and Methodologies:** Microservices Architecture, Service-Oriented Architecture (SOA), Object-Oriented Programming (OOP), Test-Driven Development (TDD), Unit Testing (xUnit, NUnit, MSTest), Multithreading, Agile, Scrum, SDLC, MVVM Pattern  
**Other Technologies:** WPF, WinForms, Desktop Application Development, On-Premises Deployment, RDLC Reporting, EHLLAPI, Radzen, Telerik, Prism Framework, JWT Authentication, OAuth 2.0

## Professional Experience

### Technical Lead

Mar 2022 – Present (3 years 11 months)

*Coforge, Noida, India (Client: SITA)*

#### Airside Optimizer System – Technical Lead, Full-Stack .NET Developer

- Leading development of comprehensive **Airside Optimizer System** using **C# 11**, **.NET 8**, and **ASP.NET** for airport ground operations optimization and resource management
- Built **Deicing Module** with **multithreading** for concurrent fluid tracking, deicing operations, and compliance reporting
- Architected **service-oriented architecture (SOA)** using **Blazor**, **Telerik UI for Blazor**, **Azure Service Bus**, and **SignalR** for real-time operational updates
- Implemented comprehensive **unit testing** with **xUnit** and **NUnit** achieving 85 percent code coverage across all modules
- Deployed on **Azure Kubernetes Service** and **on-premises** environments with **Docker**, **Helm Charts**, and automated **CI/CD pipelines**

#### Media Manager – Full-Stack .NET Developer, DevOps Engineer

- Built airport configuration platform using **Blazor**, **Radzen**, **.NET 8**, **REST APIs**, **SOAP** services, and **gRPC** for microservices communication
- Deployed on **Azure Kubernetes Service** and **on-premises** infrastructure with **Docker** containers, **Helm Charts**, and **CI/CD pipelines** achieving 99.9 percent uptime
- Integrated **Azure Entra ID** authentication with **App Registration** for enterprise security, **Azure Key Vault** for secrets, and **Azure Blob Storage** for asset management

#### Electronic Flight Strip System – .NET Developer, Cloud Developer

- Developed mission-critical flight operations system using **C#**, **.NET 8**, and **multithreading** for concurrent aircraft movement tracking via **Azure Service Bus**, **Event Grid**, **SignalR**
- Architected **service-oriented architecture** with **Azure Entra ID SSO** and **RBAC** for 500 plus airport personnel, containerized with **Docker** and **Kubernetes**
- Wrote **unit tests** using **MSTest** and **xUnit**; implemented automated **CI/CD pipelines** with **Azure DevOps** and blue-green deployments for zero-downtime releases

#### Airport Integration System – Technical Lead, DevOps Engineer

- Led development of deicing operations system with **SOA-based** microservices: **.NET 8 API**, **ASP.NET Information Services**, **Blazor Management UI**
- Architected **Kubernetes** infrastructure on **Azure** and **on-premises** with **Helm Charts**, **Azure Entra ID**, **Key Vault**, and automated **CI/CD pipelines**

- Applied **analytical skills** to monitor infrastructure using **HeadLamp**, **FreeLens**, **Azure Monitor** achieving 99.9 percent uptime for critical winter operations

### Software Engineer III

Jan 2020 – Feb 2022 (2 years 2 months)

*Concentrix, Gurgaon, India (Clients: 7-Eleven, VicRoads, Australian Government)*

#### Backend .NET Projects – Backend Developer, Cloud Engineer

- Architected and maintained 10 plus **RESTful** and **SOAP Web APIs** using **C#**, **.NET Core** serving 50,000 plus daily requests with 99.9 percent uptime on **AWS** and **Azure**
- Implemented **multithreading** for high-throughput request processing; integrated **AWS CloudWatch** monitoring and **CloudTrail** logging reducing incident response time by 60 percent
- Designed API security with **JWT authentication**, **OAuth 2.0**, and API rate limiting; wrote **unit tests** with **NUnit** and **MSTest** for all service layers
- Delivered **service-oriented** enterprise solutions for retail (7-Eleven), road transport (VicRoads), and government sector clients

#### Legacy Modernization Initiative – Technical Lead, Migration Specialist

- Led migration of 5 legacy **ASP.NET Web Forms** applications to **.NET Core microservices** with **Entity Framework Core** and **Dapper**
- Achieved 45 percent performance improvement and reduced hosting costs by 25 percent through cloud optimization
- Mentored team of 5 junior developers establishing coding standards and **Git** branching strategies

### Software Engineer II

Aug 2016 – Dec 2019 (3 years 5 months)

*Concentrix, Gurgaon, India (Client: Cigna – US Healthcare)*

#### Smart Alec Legacy Migration – .NET Developer, Migration Specialist

- Led migration of legacy **Smart Alec** application to modern **.NET** platform for Cigna US healthcare operations
- Developed 8 mission-critical **WPF desktop applications** using **C#**, **MVVM pattern**, **Prism framework**, and **multithreading** serving 500 plus daily users on **on-premises** infrastructure
- Architected data access layer with **Entity Framework**, **LINQ**, and optimized **SQL Server** stored procedures improving query performance by 50 percent
- Wrote **unit tests** using **MSTest** and applied **analytical skills** to diagnose and resolve complex production issues

#### Data Processing Automation Framework – Automation Engineer, Python Developer

- Created **Python** automation scripts with **Pandas**, **NumPy**, and **OpenPyXL** for ETL processes reducing manual work by 70 percent saving 20 plus hours weekly

### Senior System Analyst

Jun 2015 – Aug 2016 (1 year 3 months)

*Artech L.L.C., Noida, India (Client: Cigna – US Healthcare)*

Continued development and enhancement of **Smart Alec** and **Auto Inventory Management System** for Cigna US healthcare operations. Led **SDLC** for major client projects achieving 95 percent client satisfaction. Created **Excel VBA** automation solutions and **EHLLAPI** integrations connecting mainframe systems with **Excel** frontends. Developed **MS Access** databases for business process optimization.

### MIS Executive

Oct 2014 – Jun 2015 (9 months)

*Jabong, Gurgaon, India*

Designed **MS Access** database for inventory tracking with **Excel VBA** automation processing 10,000 plus daily transactions reducing manual effort by 80 percent and improving data accuracy to 99 percent.

### Senior Practitioner

Oct 2012 – Oct 2014 (2 years 1 month)

*IBM, Gurgaon, India (Client: Cigna – US Healthcare)*

#### Auto Inventory Management System and Smart Alec – Systems Developer

- Developed and maintained **Auto Inventory Management System** for Cigna US healthcare inventory tracking and management
- Built **Smart Alec** application for streamlined US healthcare operations and workflow automation
- Created **EHLLAPI**-based solutions integrating IBM mainframe systems with **Excel** frontends improving data retrieval speed by 60 percent
- Developed 15 plus **Excel VBA** macros automating daily reports saving 25 plus hours weekly

## Education

**Master of Computer Applications (MCA), Computer Science** – Karnataka State Open University Jan 2014 – Feb 2016

**Bachelor of Computer Application, Computer Science** – Indira Gandhi National Open University 2007 – 2010

## Certifications

AWS Certified Cloud Practitioner (BT986BBJEB11QFK5) – Amazon Web Services · Six Sigma Yellow Belt (YB/06/2016/924499)

– Concentrix · C-Sharp Certificate – HackerRank

LinkedIn Learning: **ASP.NET Core Test-Driven Development, Building Real-Time Web Apps with Sig-**

nalR 2, Deploying AWS Applications with Docker, Learning Amazon Web Services for Developers, ASP.NET Core MVC, ASP.NET Core Razor Pages, ASP.NET Core New Features, Postman Essential Training, ML.NET Getting Started

## **Honors and Awards**

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Automation Wizard – Concentrix (May 2016) · Unsung Hero – Concentrix (May 2016)