

# Wasim Akhtar

Noida, Uttar Pradesh, India — wasim.akh2@gmail.com — +91 9718742936  
LinkedIn — GitHub

## Professional Summary

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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

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**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

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### 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

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**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

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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 SignalR 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)