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Technical Summary

Results-driven IT professional with a strong track record of delivering high-quality solutions to complex business problems within scope, budget, and tight deadlines. Possesses extensive experience in software development, database design, IT support, technical communication, and mentoring. Quick to adapt to new technologies and project environments, with proven expertise in leading development teams and driving technical initiatives. Skilled in both hands-on development and strategic roles, with a focus on contributing to high-impact design, architecture, and technical leadership.

Microsoft Certifications

- ✓ MCSD: Developing ASP.NET MVC 4 Web Applications
- ✓ MCSD: Developing Windows Azure and Web Services
- ✓ MCPD: Designing and Developing Web-based Applications
- ✓ MCTS: Microsoft Office Project 2007 - Managing Projects
- ✓ MCTS: Windows Small Business Server 2008, Configuring
- ✓ MCTS: Microsoft SQL Server™ 2008 - Database Development
- ✓ MCTS: Microsoft SQL Server 2008 - Business Intelligence Development
- ✓ MCTS: Microsoft .NET Framework 4.0 - Web-based Client Development

Microsoft Certification Official Transcript Online:

<https://learn.microsoft.com/en-us/users/mabbas/transcript/de6ykbp1349k1m6>

Technical Expertise Overview

- **AI/ML Technologies:** Semantic Kernel, LangChain, Python, RAG, AI Agent
- **Backend Development:** C#, ASP.NET MVC (v4+), ASP.NET Core (v6+), Web API, Entity Framework core
- **Architecture & Engineering:** Microservices, FinTech solutions, Blazor Engine
- **Frontend Technologies:** Angular, React, Next.js, React Native
- **CMS Platforms:** Sitecore v10.0+, Kentico CMS, WordPress
- **Project & Process Management:** Project Management, Design Patterns, End-to-End CMS Development, Agile (Scrum, Kanban)



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SQL Server 2008

Experience

- **Business Strategy:** Business Process Optimization, Thought Leadership
- **DevOps & Infrastructure:** DevOps, Docker, Kubernetes, CI/CD Pipelines
- **Cloud Platforms:** Microsoft Azure, AWS EC2, AWS S3, Dapr
- **Databases:** SQL Server 2014+, SSRS, MySQL, PostgreSQL
- **Data Access & Identity:** Entity Framework, Dapper, Identity Server, SSO with SAML 2.0
- **Testing & Quality Assurance:** Selenium, Test Automation, End-to-End Testing, Mocking

❖ Working as a Principal Software Engineer at **AllZone Technologies (Pvt) Ltd.**

November 2024 to Date

Job Description:

At AllZone Technologies, I lead a team of .NET developers and serve as the primary liaison for client communication within a staff augmentation model. My responsibilities include conducting in-depth research on emerging technologies and promoting their adoption within standard development practices. I actively contribute to the company's innovation initiatives through R&D, focusing on the development and integration of advanced solutions, including vibe programming, embedding AI models in legacy systems, fine-tuning models, and applying pre-built Azure AI services to enhance product functionality and performance.

❖ Worked as a Principal Software Engineer at **AT Technologies (Pvt) Ltd.**

March 2022 to November 2024 (2 years, eight months)

Job Description:

In AT Technologies (Pvt.) Ltd, I established the .NET department to provide Sitecore version 10 services to partner healthcare institutions. To achieve this goal, I selected and trained ten resources, leading them in performing the required development tasks on the Sitecore experience platform. The team played a pivotal role in line with the organizational goal of developing high-performing Sitecore development teams.

Also established and managed the QA, UAT, and production environments on the AWS EC2 cloud and Amazon S3 services.

❖ Worked as a Senior Software Engineer at **Calrom (Pvt) Ltd.**

March 2018 to March 2022 (4 years, one month)



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Job Description:

During my tenure at **Calrom (Pvt) Ltd.**, I was actively involved in software development and automation testing for the company's flagship airline ticketing solutions, which are used by over 80 top airlines worldwide. I contributed to the development of two main products in the aviation sector: **ITR**, which focuses on domestic ticketing for up to 10 passengers, and **GROUPS**, a solution tailored for group bookings with a minimum of 10 passengers. My role involved ensuring the reliability and efficiency of these solutions through the development and rigorous testing of these processes.

❖ **Worked as a Principal Software Engineer at NextBridge (Pvt) Ltd.**

August 2014 to February 2018 (3 years, six months)

Job Description:

At NextBridge, I supported US clients through the full development lifecycle, including requirements gathering, project management, architecture, development, and deployment. I also consulted on nopCommerce and WordPress CMS, gaining experience in configuring hosting environments on Windows Azure and Amazon EC2.

❖ **Worked as a Systems Architect at Instant IT Solutions.**

November 2011 to May 2014 (3 years 6 months)

Job Description:

Engaged in client communication and requirement gathering for ongoing projects, contributing to development efforts using SharePoint 2010, ASP.NET, and Sitecore at Instant IT Solutions. Additionally, it led to the development of the company's in-house CMS product, TekCMS, which was designed and implemented using ASP.NET MVC 4 and leveraged the latest available technology stack to deliver a modern and scalable product.

❖ **Worked as a Principal Software Engineer at Future Now Technologies.**

June 2008 to November 2010 (2 years and 4 months)

Job Description:

Developed social media web applications and a dynamic framework for creating, saving, and loading page layouts with client-side data entry. Also customized DotNetPanel for a hosting client using VMware images and provided ongoing maintenance and technical solutions for web applications hosted on their servers.

❖ **Worked as a Senior Software Engineer at Systems Ltd.**

April 2007 to May 2008 (1 year, one month)



SQL Server 2008

Job Description:

My responsibilities included assisting with estimation, participating in the logical design phase, and contributing to finalizing the product architecture and development. I collaborated closely with senior developers and architects to ensure design decisions aligned with business requirements. This involvement provided me with a deeper understanding of scalable application structures and effective development practices.

Professional Projects

Name: CRCLS
Technologies: .NET Core 8 / Web API / JWT
Tools: Visual Studio 2022 / Microsoft Azure
Database: MS SQL Server 2022
URL: <https://crcls-main-geebf9e6f0hfcngf.centralus-01.azurewebsites.net/>

Description:

CRCLS is a beautifully crafted, secure home-sharing web platform that allows users to present their homes to a select group—family, friends, and close associates—through vivid photo galleries, engaging descriptions, and streamlined invitations. As a **CRCLS Host**, you can highlight the ambience and comfort of your space, inviting memorable experiences while maintaining full control over access. The intuitive UI guides users through showcasing, inviting, and sharing, all within a trusted network.

Name: Swift Skin & Wound
Technologies: .NET Core 9 / Microservices
Tools: Visual Studio 2022 / Microsoft Azure
Database: MS SQL Server 2022
URL: <https://swiftmedical.com/solution/>

Description:

Swift Skin and Wound is a cloud-based platform that securely stores wound images and patient data, enabling real-time synchronization and remote access. It integrates with FHIR APIs to manage patient and organizational resources, supporting clinical workflows for visiting staff, such as nurses, who can capture and upload patient images to monitor healing progress. The platform also supports interoperability with external Electronic Health Record (EHR) systems, such as AdvancedMD, through the Qvera interface engine, ensuring seamless data exchange across healthcare systems.

Name: AMS
Technologies: .NET 8 / Microservices
Tools: Visual Studio 2022
Database: MS SQL Server 2022
Responsibilities: Development
URL: <https://web-qa.enhancehealth123.com/>



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Description:

The Agency Management System is a SaaS-based solution tailored for agencies in the insurance industry. Built on a scalable microservices architecture, the platform utilizes modern technologies including .NET 8, Cosmos DB, and Microsoft Azure. Designed to support the operational needs of insurance agencies, AMS delivers robust performance, flexibility, and cloud-native reliability, streamlining and managing core agency processes.

Name: Circle Health Group
Technologies: Sitecore 10.0
Tools: Visual Studio 2019
Database: MS SQL Server 2022
Responsibilities: Development
URL: <https://www.circlehealthgroup.co.uk/>

Description:

This application was developed using Sitecore version 10 for Circle Health Group, the UK's largest private hospital network. The platform supports their comprehensive healthcare services, including advanced neurological and musculoskeletal rehabilitation, as well as pathway management. Additionally, it facilitates the Group's international operations, including clinic services in China, by delivering a consistent and dynamic digital experience.

Name: Aviate / Groups
Technologies: ASP.NET MVC 5
Tools: Visual Studio 2019
Database: MS SQL Server 2019
Responsibilities: Development
URL: <https://www.travelinnovationgroup.com/>

Description:

Aviate generates tickets for 80+ airlines in its system. The list includes the world's top airlines, such as Emirates, Etihad, and Lufthansa. **The Groups system has been** delivered to American Airlines, British Airways, Qantas, Iberia, and Finnair. Both products communicate with GDS to generate quotes, create bookings, and issue tickets for clients. Both products also support travelers, booking agencies, and operator management. The product source is well-managed and configured to support different airlines. It is also divided into multiple layers to handle cross-API calls from other Global Distribution Systems (GDSs). Both products support all five major Global Distribution Systems (GDS) systems.

Name: FoodEquipCo
Technologies: ASP.NET MVC 5
Tools: Visual Studio 2015
Database: MS SQL Server 2016
Responsibilities: Product Management & Development
URL: <http://www.foodequipco.com/>



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Description:

Food Equipment Co. supplies food service equipment for supermarkets, hotels, hospitals, and restaurants. My core responsibility was to automate the company's order fulfillment process. To accomplish this task, I developed a Windows service that monitored every order posted by customers on the NopCommerce platform and applied predefined business rules. It used the QBO API to create purchase orders and made online invoices and sales receipts in QuickBooks. It also had well-applied support for the UPS/SpeedFreight API, which facilitated the booking and shipment of products related to orders, ensuring every order was completed. It also addressed delays in any step and sent timely notifications and reports on the different states of every order to support staff and higher management.

Name: Marcos Order
Technologies: ASP.NET MVC 5
Tools: Visual Studio 2013
Database: MS SQL Server 2014
Responsibilities: Product Management & Development
URL: <https://www.marcosorder.com/>

Description:

Marcos Order was an order management system developed for Marco's Pizza Online Systems LLC. It facilitated building pizza online according to the client's taste and mood. The system enabled them to order it from any store nearby. After the user placed the order, the appropriate store was notified to start backing up and made arrangements to deliver it to the customer within the specified timeframe.

Name: Project Predict
Technologies: ASP.NET MVC 5
Tools: Visual Studio 2013
Database: MS SQL Server 2014
Responsibilities: Product Management & Development
URL: <http://www.projectpredict.com>

Description:

Project Predict, as its name suggests, was a prediction system for investing in property and construction businesses. It contained very complex formulas and entry forms for property projection. The system's significant beneficiaries were builders, constructors, town planners, banks, and loan-providing institutions.

Name: TekCMS
Technologies: ASP.NET MVC 4
Tools: Visual Studio 2012
Database: MS SQL Server 2012 R2
Responsibilities: Leading & Product Management
URL: <http://109.228.29.123/Backend>



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Description:

The company's core product was a web application type of CMS/Website builder, which contained the facility for on-the-fly layout building and user management. This product aimed to combine the latest features not presented in any of the peer products currently available on the market; the main competitors of this product include Sitecore, Telerik Sitefinity, Wix.com, and WordPress. The architecture defined in the product could serve thousands of requests within significantly less time.

Name: LoanVantage
Technologies: ASP.NET 3.5
Tools: Visual Studio 2008
Database: SQL Server 2008
Responsibilities: Development
URL: <http://www.govansoft.com/LoanvantageH>

Description:

Loan Vantage was an end-to-end digital loan origination platform developed to simplify and unify the lending process while ensuring robust risk management. The platform consolidates all key stages of the loan lifecycle—including application, underwriting, approval, and monitoring—into a single, cohesive system. By integrating these functions, Loan Vantage provides a seamless and user-friendly experience for both borrowers and lenders, thereby enhancing efficiency and consistency throughout the lending workflow.

Qualification

- M.I.T. (Master of Information Technology)
 - *The Virtual University of Pakistan*
- B.C.S. (bachelor's in computer sciences)
 - *University of the Punjab, Lahore, Pakistan*

References

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