

# SARMAD HUSSAIN

## Software Engineer

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🔗 my-portfolio-psi-lac-b3zco142du.vercel.app/

### PROFESSIONAL SUMMARY

Dynamic and Results-Driven Software Engineer with 4+ years of specialized experience in the .NET Ecosystem (C#, .NET Core 8, EF Core, Dapper). Proven ability to design, develop, and deploy scalable RESTful APIs and complex web applications (ASP.NET MVC, Blazor). Expert at translating business requirements into high-performance, efficient software solutions across diverse domains including Real Estate, Logistics, and specialized Payroll Systems.

### KEY ACHIEVEMENTS

- Spearheaded backend solutions for a real estate platform, resulting in **20% faster lead processing** and improved operational workflows.
- Led the full-cycle development of a compliant payroll system for **US-based SMEs**, ensuring 100% regulatory adherence.
- Successfully integrated **Azure Services (Azure AD B2C)** and optimized back-end architecture for cross-platform mobile and warehousing systems.

### PROFESSIONAL EXPERIENCE

#### Software Engineer

NanoByteTechnologies

01/2023 – Present

Lahore, Punjab

- Led the complete development of scalable RESTful APIs for a high-volume Real Estate Management System, ensuring seamless integration between agent, client, and administrative platforms.
- Drove operational efficiency by designing and implementing an API architecture focused on real-time data synchronization, **reducing data latency by 15%**.
- Implemented full-stack capabilities (using .NET Core and MVC) for critical features including user registration, staff management, and complex lead tracking, resulting in an interactive and high-performance UI.
- Optimized the back-end architecture for a cross-platform mobile application and warehousing system, leveraging Azure Services for enhanced scalability and reliability.

#### Associate Software Engineer

2B Vision Technologies

10/2021 – 12/2022

Lahore, Punjab

- Engineered a specialized Payroll Solution tailored for US-based Small and Medium Enterprises (SMEs), ensuring 100% adherence to federal and state regulatory compliance and documentation requirements.
- Developed a comprehensive Hostel Management System with integrated access control and online registration features, successfully supporting a large international student influx.
- Enhanced organizational user experience by employing iterative feedback sessions and process mapping, leading to the deployment of user-focused applications that met varying market needs.

#### Software Intern

Techesthete

07/2021 – 09/2021

Johar Town, Lahore

- Assisted in debugging and refactoring pivotal platform components, contributing to a 20% reduction in deployment cycles and improving overall team collaboration.
- Supported the establishment of streamlined documentation processes using Agile methodologies to ensure project continuity and knowledge transfer between development phases.

## EDUCATION

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### Bachelor's Degree in Computer Science

Comsats University Islamabad

GPA: 3.06

2020

Sahiwal

## TECHNICAL SKILLS

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### Backend Development

C#, .NET Core 8, Entity Framework Core, ADO.NET, Dapper

### Frontend/Web

ASP.NET MVC, Blazor, React, JavaScript, jQuery, HTML5/CSS3

### Mobile Development

Xamarin.Forms, .NET MAUI, MVVM

### Database/API

SQL Server, REST API Design, JWT Authentication

### Cloud/DevOps

Azure Services, Azure AD B2C, Git, GitHub, GitLab

### Methodologies

Scrum, Kanban, JIRA, Trello, Asana, NUnit, Mocha, Chai

## LEADERSHIP & COMMUNITY

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**Active member of the local tech community** — regularly participating in meetups to share insights. |

**Volunteer in educational coding workshops** — aimed at empowering young programmers.

## SELECT PROJECTS

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### Agent App (Real Estate Management System)

*Role: Lead Developer*

Led development of RESTful APIs for agent registration, staff management, lead tracking, and a robust calendar/event system.

### Payroll System (US Regulatory Compliance)

*Role: Core Developer*

Designed and developed a compliant payroll management system specifically for the US market and SMEs, focusing on complex regulatory adherence.

### Brandpath X DHL | Logistics & Order Management

*Role: Backend Engineer*

Enhanced Order Manager system with Helpdesk API integration, improved shipment procedures, and developed a QA portal. Implemented Azure authentication and custom features for enhanced UX.

### Brandhub MWA | Cross-Platform Mobile App (.NET MAUI/Xamarin)

*Role: Mobile/Backend Integrator*

Developed a cross-platform mobile app for real-time order management (tracking, creation, status updates), ensuring flawless data synchronization with the web application.

### TheMyriad (UAE Student Accommodation Platform)

*Role: Full-Stack Developer*

Developed the complete hostel management system for overseas students, including a dynamic **public website** and a secure **admin portal** for service booking and management. Integrated an access control system for physical security.