

# MUHAMMAD TAYYAB

Software Engineer • Full-Stack .NET Developer

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## PROFESSIONAL SUMMARY

Full-stack Software Engineer with 4+ years of experience developing scalable enterprise web, desktop, and integration solutions using the Microsoft .NET ecosystem. Skilled in .NET 8.0, C#, ASP.NET Core, Blazor, WPF, Entity Framework Core, SQL Server, React, JavaScript, and Vite, with hands-on expertise in building POS systems, ERP modules, customer portals, and real-time reporting dashboards. Experienced in integrating third-party APIs, food delivery platforms, payment gateways, and implementing tax-compliance and e-invoicing solutions for regional fiscal authorities across Pakistan, Saudi Arabia, and Jordan. Strong understanding of clean architecture, API optimization, database performance tuning, and Agile software development practices.

## TECHNICAL SKILLS

**Languages & Frameworks:** C#, JavaScript (ES6+), .NET 8.0 / Core 6.0, .NET 4.8, ASP.NET Core, Blazor, WPF, WinForms

**Frontend:** React.js, Vite, HTML5, CSS3, Razor Components

**Backend & APIs:** Web API, RESTful Services, Entity Framework, LINQ

**Databases:** SQL Server, Oracle,

**Integrations:** Foodpanda, Goolotloo, Live Pepper, Simplex, Blink, PixelPoint POS

**Tax & e-Invoicing:** FBR (Pakistan), ZATCA (Saudi Arabia), JoFotara (Jordan)

**Tools:** Git, GitHub, Tortoise SVN, Visual Studio

## PROFESSIONAL EXPERIENCE

### .NET Developer | Papa John's 2023 – Present

#### Customer Complaint Portal (.NET 8.0 • React.js • Vite)

- Built a full-stack complaint management portal serving multiple food brands, used by support teams to triage and resolve customer issues.
- Developed RESTful APIs in .NET 8.0 and a responsive React + Vite frontend with optimized routing, state management, and real-time status tracking.

#### Centralized Sales Dashboard (Blazor • .NET 8.0 • REST API)

- Developed a centralized Sales Dashboard for multiple food brands using Blazor and .NET 8.0, delivering real-time KPIs, brand-wise revenue trends, and drill-down reports.
- Designed interactive charts and filters that allow management to monitor performance across brands, branches, and products at a glance.

#### Multi-Platform Integration System (Blazor • .NET 8.0 • REST API)

- Designed a centralized Blazor platform connecting POS systems with Foodpanda, Careem (Goolotloo), Live Pepper, SimplexNow, and Blink.
- Implemented webhook handlers, order synchronization, and unified menu/inventory mapping across providers, reducing manual reconciliation effort.

### **Tax Compliance & e-Invoicing Integration** (.NET 8.0 • REST API)

- Engineered integrations with JoFotara (Jordan) connected to PixelPoint POS, ZATCA Phase-2 (Saudi Arabia), and FBR (Pakistan) for real-time fiscal compliance.
- Handled digital signing, QR-code invoicing, and secure transmission of invoices to government endpoints in accordance with regional regulations.

### **Point of Sale System** (.NET Core • WPF)

- Delivered a user-friendly desktop POS for restaurant operations, handling transactions, order flow, and end-of-day reporting across multiple outlets.

### **Smart Instrument Tracking System** (.NET Core • Oracle APEX • REST API)

- Built a web application for real-time equipment tracking using Bluetooth barcode scanning, with user registration, troubleshooting, and maintenance modules.

### **Kitchen Display System** (.NET Core • WPF)

- Developed a Kitchen Display System (KDS) for restaurant operations, streamlining real-time order routing, kitchen workflow management, and product handling to improve order accuracy and preparation efficiency.
- Implemented features for order prioritization, item status tracking, live synchronization with POS systems, and multi-station kitchen management, enabling faster communication between front-desk and kitchen staff.

## **Software Engineer** | **NetSol Technologies** 2022 – 2023

### **Wholesale Financing System** (.NET 4.8 • WPF)

- Contributed to a high-scale Auto Finance desktop application for wholesale financing operations, enabling distributors and dealers to manage loan creation, vehicle financing, invoicing, receipting, and customer account processing through a centralized WPF-based platform.

## **Software Intern** | **Adan Developers** 2021

### **Library Management System** (Android)

- Built an Android application to manage book stock and student records, with automated email notifications to students and the library in-charge upon book issuance.

### **Attendance Management System** (WinForms • C#)

- Developed a Windows-based attendance management application with role-based access control for administrators and staff, enabling secure management of employee attendance, shift schedules, leave records, and user permissions.

## **EDUCATION**

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### **Bachelor of Science in Computer Science (BSCS)** 2018 – 2022

*University of Engineering & Technology, Lahore*

### **Intermediate (FSc, Pre-Engineering)** 2016 – 2018

*Punjab Group of Colleges*

### **Matriculation (Science)** 2014 – 2016

*Model Dar e Arqam Grammar School*