Muhammad Mushtaq

Sr. Software Developer

Islamabad, Pakistan (44000)
Pakistan

Summary

Sr. Software Developer with a proven ability to design and implement high-quality, functional software solutions. Having an extensive experience in analyzing, designing, and developing software applications using .NET technologies throughout the full software development life cycle from requirements definition through successful deployment.

Education

Bachelor of Software Engineering

Department of Computer Science, COMSATS University Islamabad
BS (Software Engineering) 2014 -2018

Professional Experience

SoftTech, Imagine Nation Software (Remote)

Full Stack Software Developer (Sep. 2019 - Present)

- Contributed to major enhancements of ERP solution, leading the full software development lifecycle with .NET technologies to deliver timely, high-quality software solutions.
- Enhanced user authentication and authorization using customized RBAC (Group based permission) mechanism.
- Drive innovation by adopting new frameworks and tools to improve quality, performance and user experience.

F3 Technologies Inc. Islamabad (Pakistan)

Software Engineer (April 2018 - Oct. 2019)

Assisted in designing and developing a healthcare application using Service-oriented architecture, worked closely with cross-functional team, and actively engaged in bi-weekly agile sprint planning.

Projects

Automated Dispatch System *(IATSE 720)*
IATSE 720 Automated dispatch system is a web application project created with vision of allowing IATSE 720 Union users to be able to manage their various activities, details and courses.

SmarPass - Time & Attendence Management System

Technologies

- C# , ASP.Net Mvc/Core, Web API, Blazor
- ADO.NET , LINQ , Entity Framework
- Html , CSS , Bootstrap
- Javascript , JQuery AngularJs , AJAX
- DevExpress, Telerik
- XML , JSON

Databases

- SQL Server, MySQL

SmartPass is a comprehensive Time & Attendance Management System for employee, client, shift, leave, biometric device, and workforce management. As a Senior Full-Stack .NET Developer, I developed and enhanced core modules including Employee, Client & Device Management, Shift & Leave Management, Attendance Adjustments, and Timesheet Reporting.

HR, Payroll & Performance Management System *(HRIS)*
MWETANA HR, Payroll & Performance Management is a secure, web-based HRIS system developed in Microsoft C# with an SQL database, designed for the Liberian market. It enables organizations and businesses to implement a fully integrated Human Resource Information, HRIS.

Help Desk Management System(HDMS)
Mwetana Desk is equipped with essential ticketing features, allowing support ticket assignment, real-time status updates for users, and ensuring SLA compliance. Developed in ASP.NET Core using a multi-layered software architecture.

Order Management and Shipping Automation System(ShopOCS)
A web-based application that automates order fulfillment, shipping processes, and bulk generation of shipping labels and invoices.

Patient Care Reporting & Data Management Solution(CareMonX)*CareMonX™ EMS Suite*
Utilizes configurable care pathways for efficient, accurate point-of-care data capture, enabling paramedics to make informed decisions and interventions, with real-time bi-directional data transfer to control rooms, hospitals, and other specified locations.

Research Experience

As a researcher at Applied Security Engineering Research Group (ASERG), Islamabad
Following are the research areas that I involved in

- Mandatory access control (MAC), RBAC
- SeLinux Mechanism

References

Reference can be provided on demand

Tools

- MS Visual Studio
- SQL Server Management Studio (SSMS)
- Git, Azure DevOps, JIRA, Trello, Teamwork
- Swagger API
- Wireshark , Packet Tracer (CISCO)

Software

- OOP
- UML , D Pattern
- Agile methodology