**Muhammad Talha Khan**

**Email**: tk4934939@gmail.com

**Cell**: +92-312-4934939

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**Summary**:

Passionate, Energetic, result-driven, articulate and analytical software engineer who can think “out of the box”. Strong analytical skills in development with diverse problem-solving skills to undertake any challenging job. Extensive experience in X++, Microsoft Dynamics 365/AX 2012,C#, WPF, ASP.Net MVC, Entity Framework, HTML5, CSS, JavaScript (Es6,Es7), jQuery, Bootstrap, Visual Studio, MySQL, MS SQL Server, Git, AJAX, Java, android & react native.

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**Skills**:

Microsoft Dynamics 365 Expertise:

* Model Creation
* Model Migration
* SSRS Reports Creation
* Form Customization
* Tables Customization
* Workflows Creation

Module Proficiency:

* Accounts Payable
* Accounts Receivable
* Inventory Management
* Fixed Asset
* Landed Cost
* Master Planning
* General Ledger

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**Professional Experience**:

**Software Engineer**: **Visiomate -www.visiomate.com- Aug,2023 --- Present**

**Responsibilities**:

* Tailored and configured Dynamics 365 solutions to meet specific business requirements.
* ASP.Net Core Development.
* Utilized web resources and scripting to enhance user experience.
* Spearheaded the creation and migration of models within the Microsoft Dynamics 365 environment, ensuring seamless integration and data integrity.
* Proficient in designing and customizing SSRS reports, providing actionable insights to stakeholders and enhancing decision-making processes.
* Led the customization efforts for forms and tables, tailoring the Dynamics 365 system to meet specific business requirements and improve user experience.
* Implemented and optimized workflows, streamlining business processes in modules such as Accounts Payable, Accounts Receivable, Inventory Management, Fixed Asset, Landed Cost, Master Planning, and General Ledger.
* Collaborated with cross-functional teams to understand business needs, translating them into effective Dynamics 365 solutions.

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**Associate Software Engineer: Digital Data Systems** [**-www.ddspak.com- A**](http://www.ddspak.com-/)**pr, 2022 – Jul,2023**

**Responsibilities**:

* Understand, influence, drive, and negotiate with internal and external clients.
* ASP.Net MVC Development
* Mobile Application Development (Java/React Native)
* Design, build, and maintain efficient, reusable, and reliable C# /Java/React native code.

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**Projects**:

* **Web API for fingerprints and IRIS scanner**

It is a web API that can be run on any device and it reads fingerprint and IRIS details through a scanner that has to be attached physically. It is built in ASP .NET MVC (C#) and is hosted over the internet. You can check it using the given link: <https://webapi.fingerprints.com.pk/>

* **Cadets Attendance Management System**

It is a web based application which provides complete solution including Cadets/Staff management, attendance, leaves management, and reporting. This Application is web based and is built with Asp .Net (MVC). Main functionalities are,

* 1. Login functionality using Sessions
  2. User Dashboard with detailed log of employees
  3. Cadets management with complete CRUD functionality
  4. Staff Management with complete CRUD functionality
  5. Interactive UI
  6. Completely Responsive design Real-Time monitoring with excellent response rate of

120ms

* 1. Filtered reporting with the capability of downloading reports 8. Different dashboards for different roles

* **Digital library (Android/IOS)**

Digital library is a mobile application which enables a user to access any library digitally without the need to be there physically. This application has libraries of universities from all over Pakistan. This application is built in JAVA for android and REACT NATIVE for IOS. It is published on play store and app store and is currently deployed in 15 of the most renowned universities of across Pakistan. This app provides following functionalities:

* + Login/Signup functionality o OPAC (open public access catalogue) access o Check IN/ Check OUT capability
  + Details of all the available/ unavailable books o User’s Reports

* **ONE CARD SOLUTION**

It is a unique project which enables a user to access all modules with just one card. Basically it covers Desktop Application, Mobile Application and Web module. The core of this project is based on RFID cards which makes daily go to tasks much faster and much efficient without the need to maintain check and balance manually. Thus eliminating human errors and making Visitor, Employees and Students management a lot faster and a lot more efficient. This Project has 3 Modules; Desktop Application, Mobile Application and Web application. I built the mobile application and web application in this project while working together with a team of 3 individuals. These Modules are listed and described below;

* 1. **Access Management System**

Access Management System provides complete solution including employee management, attendance, leaves management, and reporting. This Application is web based and is built with Asp .Net (MVC). Main functionalities are,

* Authentication using AD server
* User Dashboard with detailed log of employees
* Filtered reporting with the capability of downloading reports
* Different dashboards for different roles

2. **RFID based Employee Attendance Mobile Application**

This is a part of ONE CARD solution and is mobile based application. It is built in JAVA and uses RFID SDK to read RFID cards of employees and marks their attendance accordingly. The data can be read from a csv file or directly from SQL database in case of wifi connectivity. The attendance is then marked according to the imported data and a report is generated in the form of csv file. This data is also stored internally on the device using SQLite database which can then be inserted in SQL database.

* Authentication using AD server
* User Dashboard with detailed log of employees
* Filtered reporting with the capability of downloading reports
* Different dashboards for different roles

**Skills and Tools:**

CRM D365 finance & Operations, X++, JAVA, C#, MVVM, SDK integration, API integration MS Visual Studio, C#, ASP.Net MVC, MS SQL Server, Android Studio, VS code.

**Education**:

* **BS(IT)** – 2019- Continued **Punjab University** [(www.gcslahore.edu.pk)](http://(www.gcslahore.edu.pk)/)