**Mohamed Edress**

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* .Net Developer having 8+ years of diverse Experience with all phases of Software Development Life Cycle (SDLC) involved in Designing, Developing, Integrating and implementing software applications based on Microsoft.NET technologies, Backend Development and Building multi-tiered architecture.
* Strong hands on experience in the Microsoft.Net Framework [4.6/4.5/4.0/3.5/3.0/2.0/1.1/1.0] developing Web Forms, Web Services, Web Pages, Win forms using ASP.Net MVC, C#.net [4.0/3.0/2.0], Visual Basic 6 and used Sql Server [2014/2012/2008] and ADO.Net for Backend Development.
* Experience in working on Front End Development using JavaScript, Angular Js 2, jQuery 2.1, Bootstrap v2.3.2, React Js, HTML 5, CSS 3, XML and Crystal Reports in developing Windows-based and Web-based applications.
* Experience with an agile software development methodology and Test Driven Development including SCRUM Framework.
* Strong knowledge on Object Oriented Programming System (OOPS) concepts including inheritance, polymorphism, encapsulation and abstraction and Used design patterns like Factory, Singleton and Observer Pattern etc.
* Good Knowledge of MVC, WCF and MVVM design patterns.
* Creating LINQ enabled database layer using WEB API such as LINQ to SQL and Entity Framework
* Extensive experience in WPF, WCF with all the programming and technologies integrated into MVC, ASP.NET3.5 & C# framework.
* Worked with Web Services (SOAP), Windows Presentation Foundation (WCF), XAML
* Excellent skills in writing stored procedures, T-SQL Queries, functions, triggers, views and schemas and also used No SQL Databases such as MongoDB.
* Profound knowledge in working with RDBMS includes MS SQL Server, Oracle 11g, MS Access and No-Sql databases like Mongo DB.
* Developed a WCF (Windows Communications Foundation) application to track messages to and fro for the platform.
* Experience in Windows Cloud Azure Platform by creating app services and integrating Sql databases.
* Worked with .NET Server Controls, Data Grid Web Control, and Form Validation Controls and crested numerous Custom controls in ASP.NET and used MSMQ to communicate with different servers.
* Built dynamically generated dropdown lists using Ajax, jQuery UI, UX, React Js and Angular JS.
* Experience in Angular JS 2, Twitter Bootstrap 3 framework for developing UI.
* Consumed Restful Web Services using simple client side technologies using JavaScript, React Js, AJAX, JSON, DOM, Unix shell scripting, HTML5, CSS3 and Server side application maintenance like Node Js.
* Hands-on experience in MVC (Model-View-Controller) framework using Angular JS 2.
* Extensive experience in developing, debugging multi-tier applications using C#, AJAX, XSLT, XML, HTML, Serialization, CSS, N-unit.
* Experience in developing applications using ASP.NET MVC, ASP.NET Web Forms, LINQ and Windows Communication Foundation (WCF)
* Worked on migrating Web applications into the Sitecore CMS systems and Implemented Web applications into Sitecore using SCRUM Agile methods.
* Expertise in building Web Services using WSDL, UDDI, SOAP Protocol and consuming/publishing Web Services and used SOA (Service Oriented Architecture) Concepts using .Net framework
* Proficient in using XML related technologies Like XSLT, XPATH and XQUERY.
* Created custom SharePoint sites, sub sites, Document Libraries, Lists and List views to collaborate the Affiliates using visual studio 2005.
* Experience in working with Bootstrap to design the responsive web pages by using the templates of HTML, CSS and React Js.
* Worked with ASP.NET Web Forms, Web Services, and State Management, Caching features, configuring optimizations and securing the web application.
* Experience in generating Drill down reports with Drop down menu option, parameterized reports and creating stylish report layouts in SSRS.
* Very good Team player, Self-motivated, hardworking professional with good organizational, leadership, interpersonal and communication skills.
* Quick learner and adapt quickly to any new situation/changes and work pro-actively towards meeting deadlines is my forte.

**TECHNICAL SKILLS**

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| **Programming Languages** | C++, C#5.0/4.0/3.0/2.0, VB.NET, .Net Core 2.0, ASP.NET, T-SQL, PL/SQL, COBAL |
| **Operating System:** | DOS, Windows NT/98/XP/2000/2003/Vista/2008, UNIX |
| **Web Technologies** | .NET Framework 4.6/4.5/4.0/3.5/3.0/2.0/1.x, ASP.NET, MVC3.0/4.0/5.0, WebAPI, Silverlight 5.0/4.0/3.0, ASP.Net Ajax 3.0/2.0, JavaScript, TypeScript, JQuery, Angular 2.0 |
| **Xml Technologies** | XAML, XML, XDOCUMENT, XSLT, XPATH, XSL |
| **UI Technologies** | Win Forms, WPF, WCF, ASP.NET Web Forms |
| **IDE Tools** | VS 2017/2015/2013/2012/2010, SQL Server Management Studio |
| **ETL Tools** | SQL Server Integration services (SSIS 2012), Data Transformation Services (DTS) |
| **Databases** | MS SQL SERVER 2017/2012/2010/2008/2005, /SQL MS Access 2010/2007/2003, Oracle 10g/9i/8i |
| **ORM**  | Entity Framework, N Hibernate |
| **Modeling Tools** | UML, MS Visio 2010/2007 |
| **Reporting Tools** | Telerik tool, SQL Server Reporting Services (SSRS), Crystal Reports  |
| **Servers** | Windows Server 2008/NT, Microsoft IIS (7.5, 7.0/6.0/5.0/4.0) |
| **Middleware** | WCF, ADO.NET4.0/3.5/3.0/2.0, MSMQ, Web Services, Enterprise Library 4.1/3.1 |
| **Version Control Tools** | Visual SourceSafe2005, Subversion, Test Driven Development (TDD), Team Foundation Server 2010/2008, SharePoint 07/10/13 , GIT  |

**EDUCATION:**

* **Bachelor of Engineering in Computer Science Engineering, Anna University, India –2012**
* **Master’s in Information Technology, Monroe College, NY– 2015**

**Role: .Net Developer July 2021 - Present**

**Client: Landis + Gyr**

Landis provides their own commercial meters to users. The application provides a customizable solution to customers for all their digital readings. It helps them to realize their full potential by expanding sales, planning, managing events, increasing productivity with prospective users in growing their business value.

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance.
* Developed solutions for diverse programming scenarios in C#, employing Object Oriented Programming (OOP) concepts
* Development was done using agile methodology with daily scrums, and continuous integration using the SDLC process to deliver higher-quality software far more rapidly.
* Developing backend API/Middle tier using the Azure services and .NET Web API and UI using React.js components framework.
* Created & hosted WCF Services and also used different bindings to make it available to different types of clients.
* Used Data Contract as standard mechanism in the WCF for serializing .NET object types into XML.
* Developed Web Services and invoked them using XML SOAP.
* Designed and implemented the Dunning Letter system, using ASP.NET, Visual Studio 2020, SQL Server 2018.
* Used Microsoft Entity Framework Code First approach for the Data Access Layer for the ASP.NET.
* Developed all types of UI pages using HTML5, DHTML, XSL/XSLT, XHTML, CSS3, JSON, JavaScript, JQuery, Angular and Ajax
* Developed client call back mechanism and DOM manipulation using Angular to provide better user interactivity.
* Responsible for making AJAX Calls for the UI Interactions to the Controller Actions using jQuery and getting the Data back as JSON and parsing it onto the UI.
* Developed all types of UI pages using HTML5, DHTML, XSL/XSLT, XHTML, CSS3, JSON, JavaScript, JQuery, Angular and Ajax.
* Implemented the project using ASP.NET, C# and back-end database as SQL Server 2018
* Assisted in production OLAP cubes, wrote queries to produce reports using SQL Server Analysis Services (SSAS) and Reporting service (SSRS).
* Used SSIS to create ETL packages to Validate, Extract, Transform and Load data to Transaction.
* Creating complex SSIS packages using proper control and data flow elements.
* Automating and improving Azure Function Apps to increase availability and decrease overhead for Service Bus application and creating Analytics dashboards in Azure App Insights.
* Implement source code management for code deployments through Visual Studio TFS/Azure DevOps.
* Work with cross core team to coordinate and drive the development of features and in case of any issues resolve the issues with minimum turnaround time.
* Improved the product features to ensure high performance, scalability, reliability and compliance.
* Experience in developing applications using the .NET framework with Cloud Azure components.
* Performed unit testing on every new version before sending it for User Acceptance Test UAT.
* Performed Unit Testing with the testing tool N-Unit and involved in Unit test case, code review checklist preparation and validation for Mobile Applications.
* Good exposure to the JIRA - project tracking tool. Using JIRA which updates the work status, with the team and interacts with the other teammates across geography.

**Environment:** Microsoft SQL Server 2018, Visual Studio 2020, C#, ASP.NET, WebAPI , jQuery, HTML5, JavaScript, Entity Framework, LINQ, IIS 7.5, NUnit, Github, Azure, Agile, Azure DevOps, C# .NET, .NET Web API 2.1, HTML 5, CSS 3, Bootstrap, jQuery, JavaScript, LINQ, Entity Framework, MS Azure, MS Azure Service Fabric, MS Azure Data Lake, SQL Server 2019, PL/SQL

**Role: .Net Developer Jan 2021 – June 2021**

**Client: Chubb Insurance, PA**

The project is about migrating data from different resources. Using this application client is maintaining user data and ensures the data is secured as well as up to date.

**Responsibility:**

* Responsible for analysis, design, implementation, management and maintenance of full software development life-cycle (SDLC) project.
* Used Agile/Scrum development environment and daily participated in meetings and discussions with project managers and architects and with my co-developers.
* Analyzed Business requirements to evaluate the design of the application.
* Built user friendly and highly responsive UI pages for the Arrive module by using MVC Razor, HTML5, CSS3, JavaScript, jQuery, Bootstrap, Angular 2/4& Reacts.js
* Experienced in React JS and working with React Flux/Redux architecture and creating Custom Reusable React Components Library.
* Experience in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Good Experience in React.js for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
* Involved in creating Angular components like controllers, directives, filters, services, models, and modules for various applications components to communicate.
* Created custom directives and filters in Angular 2 to support the features like sending mails to host and printing custom badges for visitors in the Arrive module.
* Implemented .NET MVC 6 Architecture, enabling multiple developers to work on separate modules simultaneously, reducing effort and time for the project.
* Developed operational contract of REST API Client service to fetch mails and messages from Microsoft outlook database.
* Worked in C# for writing code using Object Oriented Programming Concepts like Inheritance.
* Created a tool to analyze the data are successfully migrated in windows form with data grid.
* Implementing the data access layer using entity framework and used Linq for data retrieval.
* Used Entity Framework7 to query SQL Server 2015 database and carried out CRUD operations.
* Designed database schema and ER diagrams. Created tables, complex stored procedures, Triggers, functions and used CTEs, Indexes and Cursors wherever needed to improve database performance.
* While creating tables, stored procs and functions used User defined data types when necessary and followed relational integrity constraints.
* Used SQL Query Profiler to debug T-SQL procedures, functions for query optimization and tuning.
* Also involved in building DB reports using SSRS and data integration using SSIS.
* Using SQL server 2017 for creating database objects such as tables, views, stored procedures etc.
* Involved in developing the Azure Solution and Services like PaaS and SaaS.
* Experience in different Azure services like Storage, Data Factory, Data Lake, App Services, Security Center, Multi Factor Authentication, Certification management.
* Azure Redis cache is used for caching purposes and optimizing the web performance
* CI/CD for Azure Apps done using Octopus Deploy and Azure Pipelines.
* Benefitted from MS Azure Application Insights towards improvement of the cloud application hosted in the Azure cloud.
* Azure Devops was used for Continuous Integration and Continuous Deployment.
* Tested every unit of code and performed unit testing before sending the application to the Integration Environment and involved in Production support.
* Performed Unit Testing with the testing library NUnit and involved in Unit test case, code review checklist preparation and validation.
* Using Git Hub to maintain the different versions of source code and track the changes.
* Used the JIRA software for User Stories and Deliverable Tracking.

**Environment:** Agile, Microsoft Visual Studio 2017, .NET Framework, C# .NET, ASP.NET 5.0, HTML 5, CSS 3, Bootstrap, jQuery, JavaScript, Angular 2, React.js, IIS 7.x, LINQ, Entity Framework 7, MVC 6, Web API, RESTful services, Azure Analytics, Azure Paas, Application Insights, SQL Server 2015, NUnit, Node.js, Bitbucket, SSRS, SQL Query Optimizer, Active Reports.

**Role: .Net Developer Jun 2019 - Dec 2020**

**Client: University of Pennsylvania**

The project is about university animal research. I have worked on both web and windows application. Those applications are useful for internal staffs and researcher. Windows application is used by staff to approve and order and maintain the researcher details. Web application is used by researchers.

**Responsibility**:

* Excellent in understanding the client business needs and the latest released technologies and implementing the available resources in providing the best applications to the Users or Clients.
* Analyzed the requirements of the clients and creating the functional specifications accordingly.
* Supporting applications using the VB.Net, Win forms, Windows Application.
* Expertise in Supporting and Developing the Web based application using the VB.Net, ADO.NET and JavaScript, JQuery, Ajax, html, CSS in the Presentation layer and Business logic.
* Designed the User-Interface using the ASP.NET, HTML, HTML5, DHTML, CSS and JavaScript.
* Experienced in the application Testing and bug fixing in very possible response time.
* Designed and developed web based UI in VB using different controls like HTML Controls, DHTML controls, Data Controls and Web Controls.
* Developed application databases and data access layer using the SQL and creating the stored Procedures for the access the data with ADO.NET objects.
* Worked on ADO.NET components SQL Connection Object, SQL Command Object, Data Reader, Data Adapter, Data Set and Data View to provide communication to the database.
* Using Team Foundation Server (TFS) for integrating, maintenance, reporting and project tracking.
* Data base restoring and taking back the backup of the database.
* Performing unit testing for various modules of the system.
* Experienced in deploying of the application.
* Responsible for imparting application knowledge and technical learning to the new team members inducted into the Project.

**Environment**: .Net Framework 4.7, ASP.Net, VB.Net, ADO.Net , AJAX, HTML , CSS, IIS, XML, jQuery, MS SQL Server 2016, JavaScript, LINQ, Web Forms, Win Forms, TFS, Jira.

**Role: .Net Developer Jan 2019 – Jun 2019**

**Client: Computer Aid Inc, Allentown, PA**

The Project is about quality improvement and care management to reduce the unnecessary use of health care resources and optimize the quality of care for public and commercial clients
 **Responsibilities:**

* Worked in Agile/Scrum development environment and daily participated in meetings and discussions with project managers and architects and with my co-developers.
* Responsible for designing the ASP.NET application using .NET Framework, Model View Controller (MVC)
* Developed web applications using the MVC (Model-View-Controller) framework, which allows a clear separation of presentation, business logic and data access tires.
* Using C# for writing code using Object Oriented Programming Concepts like Inheritance and Polymorphism.
* Experience in working on Bootstrap loader global CSS3 settings and improve the Html5 elements style behavior for the UI display
* Worked comprehensively on C#, ASP.NET for building backend and building Client-Side Validation using Query and AJAX Control toolkit.
* Responsible for Designing and Developing the Reusable UI Components like MVC Master Pages ‘Layouts and Nested Layouts’, ‘View Start’ and MVC User Controls ‘Partial Views’.
* Experienced in working with ORM technologies like Entity Framework using CODE FIRST Approach.
* Created database objects such as tables, views, stored procedures etc.
* Created Stored Procedures for performing repetitive tasks in updating related tables using SQL Server database.
* Using Team Foundation Server (TFS) for integrating, maintenance, reporting and project tracking.
* Using JIRA which updates the work status, with the team and interacts with the other teammates across geography.
* Involved in Debugging & Supporting the application and Performed Unit Testing and Integration Testing.
* Worked closely with QA for bug fixes to ensure the efficiency and accuracy of the code.
* Experienced in working for the Production Support.

**Environment:** Visual Studio 2017, ASP.NET MVC 5.0, C#.NET, SQL SERVER 2017, Razor, LINQ, JSON, Java Script, Boot strap, HTML, HTML5, CSS3, Team Foundation Server, NuGet Package Manager, IIS, XML, Entity Framework 6.0.

**Client: Worldpay, Denver CO**

**Role: .Net Developer Dec 2017 – Dec 2018**

World pay provides secure payment services for small and large businesses, including payments online, card machines and telephone payments.

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance.
* Worked on a website which process payment services to the various clients and developed a GUI using Angular Js.
* Experience in working with two-week sprints in an Agile/Scrum environment.
* Responsible for designing the ASP.NET application Authentication using .NET Framework, Model View Controller(MVC) and IIS security model.
* Responsible for Designing and Developing the Reusable UI Components like MVC Master Pages ‘Layouts and Nested Layouts’, ‘View Start’ and MVC User Controls ‘Partial Views’.
* Used C# (3.5,4.0) for writing code using Object Oriented Programming Concepts like Inheritance and Polymorphism.
* Designed the UI using the ASP.NET, HTML5, Angular JS 2, CSS, React Js, Web Forms and the AJAX controls.
* Worked on all the required Stored Procedures, User Defined Functions, Triggers, and Views using T-SQL as per business logic and also used Mongo DB to write Queries.
* Developed and consumed WCF Services to achieve Service Oriented Architecture (SOA) and communication between different windows application.
* Implemented WEB API Services for CRUD operations with HTTP verbs GET, POST, PUT and DELETE.
* Extensively used & created different environments for Dev, Test, Performance and Production in Cloud Azure.
* Worked with DevExpress to enhance some of the .net controls like data grid and worked on tools.
* Worked on developing Single Page Application (SPA) for creating efficient and interactive web applications that work across all popular browsers using Angular JS and React Js.
* Expert in developing windows applications, web applications, windows services and web services in Microsoft Visual Studio IDE using C# frame work 2.0/3.0/4.0 (ASP.NET, ADO.NET, and LINQ.)
* Experience in working with ORM technologies like Entity Framework using CODE FIRST Approach.
* Experience in constructing high-performance and highly-scalable applications using the .NET framework with Cloud Azure components.
* Developed a WPF application to track messages to and fro for the platform.
* Extensively used Cruise Control .NET Build Server for Continues Integration and for creating Continuous Build Process
* Experience in working with MSMQ as a Messaging protocol to communicate with different servers.
* Experience configuring/re-platforming large database solutions in Cloud Azure using SQL Server and in automation solutions using Resource Manager, Powershell.
* Written Queries using T-SQL Statements, Views, User Defined Functions, Stored Procedures, Triggers in SQL Server for inserting/Updating/Deleting the data into the relational tables.
* Used ADO.NET objects such as Connection Strings, Command Type, Data Adapter, Data Reader and Data Set for consistent Data Access.
* Consumed Restful Web Services with Angular JS updating the Model and Views of the application and implemented WEB API Services to perform CRUD operations
* Using Tortoise SVN maintained the different versions of source code and Involved in hosting the web applications in IIS server 7.5.
* Used the JIRA software for User Stories and Deliverable Tracking.
* Developed various stored procedures for the data retrieval from the database and generating different types of reports using SQL reporting services (SSRS).
* Involved in Debugging & Supporting the application and Performed Unit Testing and Integration Testing.

**Environment:** VisualStudio2015, C#, .NET, ASP.NET MVC, ASP.NET Web API, Razor, ADO.NET, Entity Framework, NuGet Package Manager, WPF, LINQ, JSON, Java Script, Boot strap, HTML, HTML5, CSS3, Angular JS 2, DOM, SQL Server 2016, T-SQL, Team Foundation Server 2015, Git, IIS, Windows PowerShell, Microsoft Azure.

**Role: Net C# Developer Mar 2016 - Nov 2017**

**Client: ACG, NJ**

ACG is a performance management consulting firm focused on helping customers create ways to improve business results and performance.

**Responsibilities:**

* Worked on Full Software Development Life Cycle (SDLC) in developing application satisfying all the business and the user requirements.
* Used Agile methodologies to segregate the development tasks into various sprints.
Migrating the existing .Net applications to the .Net MVC4 and adding additional features and functionalities.
* Strongly used C# code for developing applications.
* Used SSIS, SSRS for the integrating and generating reports for the business and government purpose.
* Implementing the UI using the AngularJS, JavaScript, JQuery and some AJAX calls and client side validations and tools.
* Developed Win forms for the back end pages.
* Used "twitter bootstrap" along with "angular-ui" bootstrap for HTML components style definitions and user interface elements such as dialog boxes and tooltips.
* Developed front-end reporting screen using Angular JS, widely used angular js UI components like route Providers, pagination, ng-grid, ng-directives.
* Used Amazon Web Services for the client and server communication.
* Developed databases in the Azure cloud service and also deploying the application into the cloud.
* Developed applications using the .Net framework MVC, master pages, Ajax control kit and Jquery for efficient and speedy interactive WebPages with the users.
* Involved in developing mobile applications for the Android and IOS devices using the C#, SQL and WCF.
* Experienced in using and providing the Authentication and Authorization of the specified members and securing the data from the external users.
* Developed and implemented applications front-end using the HTML, CSS, and JavaScript framework and bootstrap.
* Developed the application using the WWF and WCF (Windows C) Web API and RESTful services.
* Established the connection between the UI and databases using the Sql Server 2008 and Stored procedures and complex queries for retrieving the data to the application.
* Used LINQ to SQL and Entity framework to database for retrieving the data and to update, insert or delete data from the databases.
* Involved in developing the application using the Sencha Touch, JavaScript API framework for mobiles and touch enabled systems.
* Used Team Foundation Server (TFS) for integrating, maintenance, reporting and project tracking.
* Worked in migrating the SQL Server databases to the new version of the SQL Azure databases using the Azure migration wizard.
* Testing applications using the Automated testing and Manual testing.

**Environment:** Visual Studio 2012, .Net Framework 4.0, ASP.Net, C#.Net, MVC 4, AJAX, Entity Framework, HTML 5, CSS, IIS 6.0, jQuery, AngularJS, node.js MS SQL Server 2012, JavaScript, LINQ, Azure.

**Role: . Net Developer Jan 2012 – Sep 2013
Client: Aviva Life Insurance, India**

Aviva Life Insurance Company in India offers range of Life Insurance Policy, saving plan, retirement plans with maximum coverage for individual and family.

 **Responsibilities:**

* Designed and developed web forms in ASP.NET & C#.NET using .NET Framework 3.0.
* Developed the application Framework in ASP.NET primarily using C#.NET with the business logic implemented using .Net Assemblies.
* Extensively worked with ASP.NET Web Site Administration Tool (WAT) to create Roles, Login Controls, Authentication and Authorization for Site Security.
* Developed GUI using ASP.NET Server Controls, User Controls and Custom Controls and Master Pages, Cascading Style Sheets (CSS) for consistent look.
* Written JavaScript code for validating the simple control instead of sending them to the server side which is killing the performance of the web pages.
* Extensive use of Web Services, SOAP, XML, XSL to expose reports to facilitate information sharing.
* Created Data Tables and have written Stored Procedures for all the Transactions in and out of the Database using SQL server 2008.
* Development of enterprise reports by pulling data from various sources and presenting in SQL Server Reporting Services (SSRS).
* Involved in Report Design and Coding for Standard Tabular type reports, including Drill down and Drill through functionality and Graphical presentations and Dashboard type metrics using SSRS.
* Created a Data Layer object in C# language which gives the common classes of methods to execute stored procedures into a Data Set, Data Table and Data Reader.
* Performed NUnit Testing according to the business requirements.
* Used Microsoft Visual Source Safe (VSS) for the purpose of version control.

**Environment: .**NET Framework 3.0, ASP.NET, C#, ADO.NET, XML, Web Services, HTML, SQL Server2008, SSRS, IIS 6.0, VSS, NUnit, Visual Studio 2008.