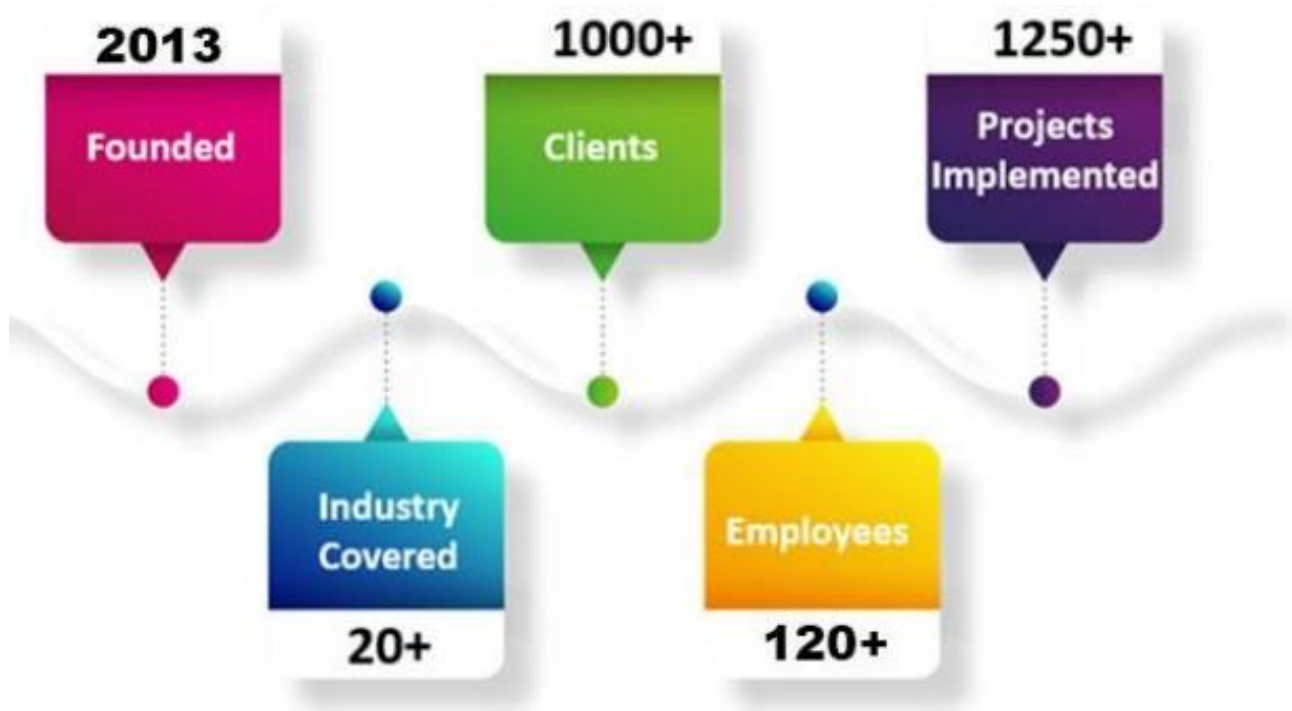# About Winapps Software Solutions Pvt.ltd.

Founded in 2013, Winapps provides IT solutions specially- tailored to its customers' needs, with a focus CRM Implementation, ERP implementation, web and mobile development. We bring security and integrity to the development process, efficiently blending our assets with your existing structure. We love to code; set your business process and we know how to do it right. Our approach, which combines innovation with timely delivery, is perfectly attuned to our clients' goals. Independent from the dynamism and complexity of business requirements, our vast, collective experience and comprehensive solutions library allow us to build cost- effective programming teams and set realistic budgets.

2013
Founded

1000+
Clients

1250+
Projects Implemented

Industry Covered
20+

Employees
120+

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Professional ASP.NET Course

s

ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure and various services required to build up robust web applications for PC, as well as mobile devices.

Introduction to Visual Studio

Visual Studio is an **Integrated Development Environment(IDE)** developed by Microsoft to develop GUI(Graphical User Interface), console, Web applications, web apps, mobile apps, cloud, and web services, etc. With the help of this IDE, you can create managed code as well as native code. It uses the various platforms of Microsoft software development software like Windows store, Microsoft Silverlight, and Windows API, etc. It is not a language-specific IDE as you can use this to write code in C#, C++, VB(Visual Basic), Python, JavaScript, and many more languages. It provides support for 36 different programming languages. It is available for Windows as well as for macOS.

- Installation
- Usage

C#

C# is a simple, modern, general-purpose, object-oriented programming language developed by Microsoft within its .NET initiative led by Anders Hejlsberg. This tutorial will teach you basic C# programming and will also take you through various advanced concepts related to C# programming language.

- C # Language Syntax
- OOPs-Concept
- OOPs-Programming Encapsulation
- OOPs-Inheritance
- OOPs-Interface & Polymorphism
- Collections and Generics
- Assemblies and GAC
- Exception Handling
- IO Streams

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FrontEnd

- Web Programming Introduction
- Understanding role of Web Server and Web Browser.
- Brief about HTTP Protocol.
- HTTP Request structure.
- Form Tag and comparison between Get and Post methods.
- HTTP Response Structure

HTML and JavaScript

Understanding HTML Form Tag and elements within it. Javascript using Sample Programs.

CSS

- CSS & Themes
- Work with CSS
- Use Themes to Customize Site
- Name Skins within a Theme
- Do server-side Styles using Themes
- Add contents of a Theme and Skin
- Apply themes and Profiles .

Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

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Introduction to ASP

- Introduction to ASP.
- Types of Path.
- Examples using the Response object of ASP.
- Working with FORM tag.
- Important Points about the FORM submission.
- Few more examples. Problem with ASP.

ASP.NET Introduction & Sample Programs

- **H**ow to create and run the first ASP.NET application.
- Understanding the code generated by VS.NET.
- Example Programs.
- Understanding AutoPostBack.
- Types of Server Controls
    a. HTML controls.
    b. Web Server Controls.
- Exploring Server Controls.

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ASP.NET Architecture

- What is AppDomain
- Life cycle of a WebForm when requested by a client.
- How does a control manages its state
- EnableViewState property
- Event Handling in WebForms
- Writing / Using Custom Classes in WebApplication

Page Navigation Options

- Response.Redirect
- Server.Transfer
- CrossPagePostBack property of Button
- a. Accessing controls of PreviousPage
- b. Accessing Properties of PreviousPage
- c. PreviousPageType page directive

Creating a Layout Using Master Pages

- Why Master Pages.
- Significance of ContentPlaceHolder Tag in MasterPage and Content Tag in
- WebForm.
- How a control of MasterPage can be accessed / programmed in WebForm.
      a. Master.FindControl
      b. Public property in MasterPage and <% @MasterType directive in WebForm.
- Load and LoadComplete events of the Page and MasterPage classes.
- Understanding ClientID and UniqueID properties.

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ASP.NET State Management

- Need for state management
- Static members in Webform
- Global Class in App_Code folder
- ViewState
- HiddenField
- QueryString
- HttpContext
- HttpCookie and Cookie Dictionary
- HttpSessionState
- HttpApplicationState

.NET Core

.NET Core is a new version of .NET Framework, which is a free, open-source, general-purpose development platform maintained by Microsoft. It is a cross-platform framework that runs on Windows, macOS, and Linux operating systems.

ADO.NET

ADO.NET provides a bridge between the front end controls and the back end database. The ADO.NET objects encapsulate all the data access operations and the controls interact with these objects to display data, thus hiding the details of movement of data.

ASP.NET - Web Services

A web service is a web application which is basically a class consisting of methods that could be used by other applications. It also follows a code-behind architecture such as the ASP.NET web pages, although it does not have a user interface.

- Creating the web service
- Creating a proxy
- Consuming the web service

REST APIs with .NET and C#

ASP.NET Web API is a framework for building HTTP services that can be accessed from any client including browsers and mobile devices. It is an ideal platform for building RESTful applications on the .NET Framework.

AJAX.NET

- Architecture
- Working with AJAX Pro
- Using AJAX.NET Controls
  a Accordion
  b. Calendar
  c. CascadingDropDow
  d. CollapsiblePanel
  e. FilteredTextBox
  f. NumericUpDown
  g. ModalPopup
  h. PopupControl

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ASP.NET MVC Architecture

MVC stands for Model, View, and Controller. MVC separates an application into three components - Model, View, and Controller.

Model: Model represents the shape of the data. A class in C# is used to describe a model. Model objects store data retrieved from the database.

View: View in MVC is a user interface. View display model data to the user and also enables them to modify them. Views in ASP.NET MVC are HTML, CSS, and some special syntax (Razor syntax) that makes it easy to communicate with the model and the controller.

Controller: The controller handles the user request. Typically, the user uses the view and raises an HTTP request, which will be handled by the controller. The controller processes the request and returns the appropriate view as a response.

- MVC Architecture
- MVC Folder Structure
- Routing
- Controller
- Action method
- Action Selector
- ActionVerbs

Entity Frame Work

DataBase

MS SQL

SQL Server is a relational database engine from Microsoft that has been supporting business applications for multiple decades. Over time the Microsoft SQL Server relational database management system has grown to include a number of new technologies including the items listed below. SQL Server 2019 is the latest version.

- Connection
- Selecting data from the database
- Inserting data into the database
- Updating data into the database
- Deleting data from a database
- Store Procedures

- Cursors
- Triggers
- Functions
- Joins
- Inner Queries
- Like Keywords
- Database Search Queries

Key Constraints in DBMS

- NOT NULL: ensures that the specified column doesn't contain a NULL value.
- UNIQUE : provides unique/distinct values to specific columns.
- DEFAULT: provides a default value to a column if none is specified.
- CHECK : checks for the predefined conditions before inserting the data inside the table.

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AZURE

Microsoft Azure, commonly referred to as Azure, is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers.Azure is the largest commercial cloud vendor by revenue, although that designation stems in part from the company's "power of incumbency in Office 365 Commercial and Microsoft 365, which may artificially inflate the company's "pure cloud" revenue totals.

- Azure SDK
- Tools and projects for developing cloud apps and creating resources using
  .NET Core
  .NET framework

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Why Winapps?

Industry Experience:

Winapps possesses huge experience in IT with different streams like education, E-commerce, banking, tourism, mortgage, real estate, insurance, medical, and health etc.

Certified Professional:

We have experts in-house as Certified Android developer, Certified iOS Developer, Certified Web Developer (PHP), Certified Mean/Mern stack Developer, Certified Networking engineer (CCNA), Certified QA tester, Certified
Software engineer, Certified flutter Developer, Certified React Native Developer, Certified ASP.net Developer, Certified UX/UX Designer. Certified backend database developer.

Trust and Transparency:

We have a proven track record of serving 500+ customers with security as a paramount and high touch communication. Extensive experience in end-to-end Implementations, Integrations, Support & Maintenance as Quality Service & Delivery is the primary focus. As well as the we have been providing the training to the candidates with a surety of job within and in the other MNCs.

If you would like to move forward with our proposal, please send me an email so we can begin discussing and planning the next steps right away. I will follow up with you through email next Thank you kindly for reviewing our proposal. If you have additional questions, I am available by info@winapps.info or by phone at- **7015796830**

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