

Services and Technology

Microsoft

The Microsoft Gold Certified Partner logo, centered on a background of abstract, flowing lines in shades of teal, green, and yellow. The text "Microsoft" is in a bold, italicized font, "GOLD CERTIFIED" is in a bold, sans-serif font, and "Partner" is in a smaller, italicized font below a horizontal line.

Microsoft
GOLD CERTIFIED
Partner

Silicus has a long standing relationship with Microsoft, as a Gold Certified Partner and has been a member of Microsoft .NET Early Adopter Program (.NET EAP) since its inception in November 2000

Services

Develop New Software

Port existing software to additional platforms

Migrate legacy software to current or different platform

Software Modernization

Perform Independent Testing

Outsource Software Maintenance & Support

Develop Software Development Kits (SDKs)

Areas of Expertise

- Dotnet (.NET) development
- SharePoint development
- Key architectures
 - ⇒ Fat Client (Rich Client) development using Windows Forms
 - ⇒ Thin Client development using Web Forms
 - ⇒ Smart Client development using Web 2.0 technologies including AJAX
 - ⇒ SOA leveraging XML, Web Services and WS-x standards
 - ⇒ Integration with EAI solutions such as BizTalk, WebMethods, BEA Tuxedo
 - ⇒ Integration with third-party products such as SAP, QuickBooks, Custom Applications, etc.



Technology Expertise

Frameworks

Windows Presentation Foundation (WPF)

Windows Communication Foundation (WCF)

Windows Workflow Foundation (WWF)

Enterprise Library

Windows CardSpace

Visual Studio Tools for Office (VSTO)

Visual Studio Tools for Applications (VSTA)

Programming Languages

Classic ASP

ASP.NET

ASP.NET AJAX

C#

VB.NET

Enterprise Technologies

Microsoft Office SharePoint Server

Microsoft BizTalk Server

Microsoft Dynamics CRM

Microsoft Exchange Server

Microsoft Active Directory

Enterprise Services

Distributed Transactions

Custom Remoting

Marshalling, Channeling, Security

Serialization

Custom, Selective, Versioning Support

Domain Focus

Storage
Management
Software

Security and
Compliance
Management
Solutions

Enterprise System
Management
Software

Electronic Business
Solutions

Content,
Collaboration and
Learning
Management
Solutions



Technology Expertise (Contd...)

Development Tools

Visual Studio 2008
Visual Studio 2005
Visual Studio Team Suite
Team Foundation Server
Microsoft Visio
Microsoft Office Project Server

Third-Party Tools and Frameworks

Infragistics
Aspose
Dundas
Component One
Log4J

Microsoft Testing

Rational ClearCase
Mercury LoadRunner
WinRunner
Test Director
Cruise Control for .NET
NUNIT
Microsoft Test Central

SOA

Web Services
SOAP Customization
XSD Usage
SOA Security using WS-Security, WS-Trust

Serialization

Custom, Selective, Versioning Support

Services Performed

Modernization of web based and stand-alone products to .NET

Development, Support and Enhancement of existing products in .NET

Migration of Legacy Products to .NET based products.

Migration of Java based products to Windows Forms based Product



Services Performed

Thin-Client

Development using Web Forms, SOAP, XML and Web Services

Development of Mobile Solutions for Windows XP for Tablet PC

Porting of products to x86-64 architecture from RISC-PA

Technology Expertise (Contd...)

Windows Forms

- Custom Controls
- Asynchronous Data and Message Processing
- Caching
- Custom Designers
- XP look-n-feel

Database

- Dynamic binding to MSSQL db Schema
- Detached Database Processing
- Advanced Dataset Management
- Caching and Synchronization
- Data Access Layer Automation
- Language Integrated Query (LINQ)

Deployment

- Web Deployment, Auto Upgrades, Licensing Services

Globalization

- Multi-Language Support

Windows Services

- Complex Multithread processing

Offline capable Smart Clients

- Synchronization Engine

Interoperability

- COM Interop
- Pinvoke, IE, MS Office and shell integration



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Technology Expertise (Contd...)

Security

Windows Authorization

Code Access Permissions

Cryptography

WS-x Standards

Web Forms

Custom Frameworks and Controls

Caching

XML/XSLT, XAML

SilverLight

Reflection

Dynamic emitting of assemblies, CodeDOM, Custom attributes, Auto generation of Web Service proxy

AppDomain Management

Custom Assembly Resolving, Garbage Collection, GAC

User Interface

2D Graphics, GDI+, font management

Multithreading

Synchronization, Thread-Safe UI, Thread Pooling

COM Interop Apartments Management

Reporting

Crystal Reports

Microsoft SQL Server Reporting Services

Custom Section Handlers