simply bits

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Windows Utilities
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Business Automation
E-Commerce Solutions
System Integration
Internet Marketing
Search Engine Optimization

Enterprise Services
Application Development

Professional application development provides custom software solutions tailored to meet the demands of your organization

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For a complimentary technology assessment

(520) 545-0400

Project Life Cycle

The project life cycle as implemented by Simply Bits has been designed to clearly define the customer's expectations and address risks early in the development process. This process applies to traditional waterfall development process, as well as current agile methods.

Assessment: Before we start any project we first review what has been done in the past to see what was done well, and what fell short.

Requirements: As we work through the requirements and design phases of the project, we will have multiple "brainstorming" meetings with key client personnel to clearly define project requirements. We also review competitive solutions and proven design patterns as possible solutions.

Implementation: With a clear definition of the project, the solution is physically built and presented to the customer for acceptance. Often graphic design and business functionality are developed simultaneously as the graphic design is independent of the technology. The system framework ties together the design, content, and functionality.

Test: Unit testing is typically done as each module is completed in the development phase. At the end of development before each release, a formal walkthrough of the entire project is completed as well as customer acceptance testing.

Deployment: The solution has already been tested on staging environments designed to mirror production. At time of deployment, new updates are rolled out to the production and any training or documentation on the updates is provided.

Support and Review: A final review of the process is performed to see gather details on the effectiveness of the feature, isolate issues in the process, and further refine the system. As an ongoing process any issues are fixed, and support is provided as needed.

Windows
Server
Mobile
Database
Web Applications
E-Commerce
Consulting

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Application Development

The Simply Bits Enterprise Services (SBES) Application Development team has worked on development projects in many industries and technologies. We specializes in producing commercial grade, large-scale software products. We use a tried and true development process that focuses on producing a quality product in the least amount of time and expense.

Web Design and Internet Marketing

Need more than just a web design or website programmer? Simply Bits AppDev takes the time to understand your business and objectives. We build each website for your unique needs. We use an effective blend of off-the-shelf software and custom development to create a solid yet affordable solution. When web development is complete, we can continue to help in the ongoing marketing and management of your web site. We can manage all aspects of your digital presence, from performing content updates on your main website, through optimizing your site for better conversions to setting up and managing your social media outlets.

Solution Architecture & Consulting

As a part of our development services, Simply Bits does various types of technical consulting and solutions architecture. Have a business idea or solution, but not sure how to implement it? Our professional developers and analysts can turn your requirements into implemented solutions. We can contribute on a variety of focuses from solution architecture, server configuration, system maintenance and support to new product development or even business process consulting as it relates to software integration.

Application Development

Simply Bits takes a practical approach to software development. As software development has evolved the separation between Windows, Mobile, Server, Website and Ecommerce solutions has blurred. Now, many types of applications share the same business complexities and coding requirements. Simply Bits excels with web application development. Coming from a traditional software development background, Simply Bits has formal processes and procedures in place to successfully complete intricately complex projects. We specialize in developing scalable solutions that are robust and cost effective. Our designs are done with robust database-side business logic including User Defined Functions, Procedures, and Referential Integrity. We also do performance optimization, backup and recovery plans and data reporting and analysis. In addition, we use encryption and proven security methods to make sure solutions are reliable, secure, and perform quickly and efficiently. For those projects that require custom checkout processing, we have developed complete PCI compliant systems integrated with Authorize.net, PayPal, Braintree, Protex, and others.

* Products and services subject to change without notice. Some limitations apply. See associate for details.