

Software Development Services

Benefits

Improving core systems enables you to:

- Better differentiate services and adapt quickly to new challenges
- Eliminate manual processes
- Improve quality, responsiveness and operational efficiency
- Reduce infrastructure costs

Our Expert Approach to Projects

MomentumSI architects and developers are high-quality experts in the specific architectural requirements of modern environments that are modeled on the concept of reusable services. They have extensive experience in SOA and Web Services software design and development, ensuring a successful technical approach that complies with reference architectures and makes the most use of reusable services.

We take a highly collaborative approach to our custom application development and modernization projects. We offer two models for client engagements – onsite at your offices or remote via MomentumSI’s Austin Integration and Development Center (AIDC), a secure facility co-located with our company headquarters.

Create Applications that Drive Business Advantage

Modernizing and enhancing key legacy applications can be instrumental to enterprises looking for ways to increase their competitive edge. MomentumSI offers Custom Software services to enhance existing applications or create new ones that deliver leading-edge business value. We can also help your IT organization maintain business-critical legacy assets while moving them to modern environments through our Application Modernization services. The following sections provide an overview of MomentumSI’s Software Development services.

Custom Software Services

MomentumSI’s Custom Software team helps you create new applications and enhance existing ones that adhere to modern architectural standards and deliver leading-edge business value. Our expert staff can handle most application development efforts you require. We support all phases of the software development lifecycle based on agile and iterative practices -- from planning, design and architecture, through to development, testing and deployment.

Custom application development can be a key factor in improving your business processes and your customer-facing applications, helping your company to gain competitive advantage. The following sections provide more information on our Custom Software services.

- **Software Architecture** - A common area for failure on projects is in the hand-off between enterprise architecture and application architecture. MomentumSI’s architects have the proven experience to mitigate this common risk to successful application deployment and the know-how position your critical software for success. Our Software Architecture services include:
 - Creating candidate and solution architectures
 - Analyzing technical environment for reusable components and platforms
 - Assuring compliance with reference architecture and enterprise standards
 - Planning the integration of legacy applications and phase out roadmaps
- **Requirements Analysis** - Modern software has progressed quickly from traditional monolithic architectures into loosely coupled, service-based designs. The task of analyzing requirements and designing custom software has changed dramatically along with the underlying architectures. MomentumSI uses a methodology that combines the iterative development components of Agile, the proven requirements definition techniques of RUP, and years of MomentumSI experience in the unique design challenges of modern software. Our Requirements Analysis services include:
 - Creating User Stories
 - Capturing Domain Models
 - Creating prototype code to guide development efforts and prove concepts
 - Early identification of acceptance tests

- **Business and Systems Integration Services -** Organizations moving applications to a modern framework like SOA face the ubiquitous problem of integrating legacy applications and data sources into the new architecture. In addition, a true SOA system must incorporate new services with existing applications, partner data sources and hosted applications. Through our Business and System Integration services, we can help ease the transition to SOA by interfacing legacy and external resources into new systems. Our Business and Systems Integration services include:

- Developing web service wrappers for existing data sources and functions
- Integrating services into an ESB and SOA infrastructure
- Integrating legacy applications through web services or custom adapters
- Integrating partner applications and data sources into new applications
- Exposing core functionality of existing systems for use by other applications
- Leveraging existing code and databases within your modern SOA environment

- **Application Performance Optimization -** MomentumSI's Performance Optimization services ensure that applications meet their performance requirements through deep enterprise application development expertise, best of breed tools, and a methodology to uncover bottlenecks across the end-to-end application delivery path. We can address acute issues in highly complex and distributed enterprise applications already in production.

We use a multi-phase, end-to-end systems approach to remediate current performance issues, identify the root cause of problems and prevent future bottlenecks from occurring. Our Application Performance Optimization services include:

- Acute Problem Resolution
- Architecture/Design Validation
- Architecture Transformation
- Performance Framework Review

Application Modernization Services

MomentumSI offers several approaches to IT modernization to address the complex challenges of modernizing legacy environments. Organizations typically need a combination of approaches for a complete modernization solution. Our services include:

- Migration Assessment
- Application Porting
- Migrate to BPM, SOA or Cloud environments
- Data Migration
- Web enabling of legacy systems

For more information about our Software Development services, call 512-236-1517 (U.S.) or 888-886-8560 (Toll Free). Or email sales@MomentumSI.com.

Corporate Headquarters:
12710 Research Blvd, Suite 120
Austin, TX 78759

Regional offices:
New York
San Francisco
Washington D.C.
Sydney

Contact Information:
512-236-1517 (Main)
888-886-8560 (Toll Free)
sales@momentumsi.com
www.momentumsi.com

About MomentumSI

MomentumSI is a leading boutique IT consultancy focused on enterprise transformation. We are known for helping large enterprises quickly and cost-efficiently adopt innovative, agile practices to align business needs with IT processes. We specialize in helping companies incorporate disruptive technologies, including Cloud Computing, DevOps, BPM and SOA.

