PARKER SMART psmart@SpilledMilk.com

SUMMARY

Enterprise Architect / Developer with over thirty years of expertise in software development. Successfully managed products through full life cycle from design, architecture, client input and redesign to prototyping, implementation, testing, release and support. Has a proven record of designing and redesigning applications for ease of use, functional performance, and efficient use of resources. Strong leadership and organizational abilities coupled with excellent presentation and creative skills.

CORE SKILLS

Languages:

- C#
- .NET Core
- .NET Framework
- SQL
- REST
- Power Shell
- Profiling
- Angular / Material
- VB.Net
- HTML
- JavaScript
- Python

Software:

- Visual Studio 2019
- Visual Studio Code
- SQL Server Studio
- SharePoint
- Microsoft DevOps
- Git
- Photoshop
- Office Suite

Platforms:

- Windows
- Azure
- Macintosh
- UNIX

PROFESSIONAL EXPERIENCE

National CineMedia Centennial, Colorado 2006-present

Enterprise Solutions Architect

- Investigated web technologies such as Bootstrap, Angular, and SignalR by creating prototypes for the team to use as reference and evolve into production ready applications.
- Full use of the MSDN Subscription to evaluate and prototype applications to run in Azure.
- Evaluated .Net Core by creating an inventory microservice using both Core and current WCF technologies to compare and contrast performance, testing, utilities, and code sharing.
- Write most of the common API which are housed in an on premise NuGet repository.
- Built WPF and Silverlight applications that communicate to WCF services based on Entity Framework to manage sales orders through a SOA infrastructure.
- Ensuring quality code through unit testing and data mocking, proven Agile/ Scrum processes.
- Enforcing standards and patterns for code maintainability through code review and pair programming.
- Guiding the CI/CD pipeline process using Microsoft DevOps, PowerShell, and Terraform.

5280 Solutions Highlands Ranch, Colorado 2003-2006

Senior Software Architect / Developer

- Wrote a code generator in C# to encapsulate the DataTable and DataReader which created an infrastructure for faster development and prototyping. This generated C# or VB.Net code was used to access the data with a uniform interface and keeps the data and access method separate to reduce resources. The generated SQL stored procedures provided a consistent code base and quick means to adjust the entire SQL base with very few modifications to the generator. The development speed was gained due to a lower learning curve, intellisense, and early binding.
- Designed and implemented a three-phase conversion process to continually bring on new business increasing 5280's revenue stream. Evolved the process with each conversion reducing the time by a factor of thirty using threads, stored procedures, batched SQL, SQL query planner, and ANTS.
- Created tools to automate many operational tasks giving back hundreds of hours of work each month.
- Sped up nightly processing cycle by two to ten times by managing connections on a per transaction and thread basis, using ANTS to find poorly performing code, and SQL Server query plan.

ACS Government Services Aurora, Colorado 2002-2003

Systems Development Consultant

- Created various tools to assist with office automation including driving the MS Office tools externally using COM+. Wrote a code generator in C++ to encapsulate the ADO Recordset that generates C++, VB6, and Java (ResultSet in Java); and GUI classes which handle the main application tasks.
- Built an ASP website to report contractor performance which employed a method of generating dynamic JavaScript to build the display tables. The ASP called COM objects which would retrieve the data using the generated, strongly-typed Data Object classes.

NELnet Information Systems Lone Tree, Colorado 1993-2002

Architect / Developer

- Managed the Enhanced Trust Reporting (ETR) product through many new features and releases. Consulted with external vendors for data specifications and sharing between my product and theirs. Analyzed operational processes and implemented techniques to reduce the workload for employees and allowed them to take on more work in the same span of time.
- Designed and implemented core modules of Enhanced Trust Accounting (ETA), as the GUI team lead, including the Asset Modeling and Tax Worksheet modules. Researched the Windows threading model so real-time accounting processes and GUI display could run in tandem with the normal flow of the program.
- Enhanced the web project (MauiWeb) that allows bank customers to securely view their accounts online. This site was primarily ASP communicating with COM objects written in C++. Gave the site a more professional look using a better color scheme, graphics, and extensive use of JavaScript to reduce the trips to the server. Worked with a vendor to securely transmit data using SSL via XML from their web service to the site and back.
- Created an OpenGL class library as a base for a 3D graphing package needed by ETA. Extended the class as a COM object and used the industry standard JPEG library to export files for use on dynamic ASP pages. The website became more professional, and the graphs were easily extendible, making new client requests handled quickly.
- Transitioned ETR from Windows SDI to MDI that allowed clients to view more than one account at a time. Rewrote the overnight / month-end processing that initially used Paradox scripts and implemented this same process C++ to improve performance and maintainability. Redesigned applications to save clients time and headaches with a clean, easy-to-use interface.

Intergraph Corp. Huntsville, Alabama 1989-1993

Software Analyst

- Designed and built many of the components for a graphical/desktop file management system (Intergrator). Just as Windows was built on DOS, the Intergrator was built on UNIX.
- Maintained Intergraph's proprietary GUI objects (I/FORMS); specifically, scrollbars, buttons, toggle switches and multi-line/multi-column fields. Converted all the I/FORMS toolset to X/FORMS for the XWindow environment.
- Documenting the transition to XWindows saved hundreds of hours of developers' time and sped the migration along by thousands of man hours.
- Helped design and implement a graphical file management system Active Document Management (ADM), which was used to manage complex architectural or GIS objects whose files could possibly be scattered across the network. Designed the locking mechanism for this distributed file management system as well as an application (NETman) that wrapped up the administrative complexity of NFS.

Colorado School of Mines Golden, Colorado 1985-1989

Bachelor of Science in Math / Computer Science

- Electrical Engineering minor
- Tau Beta Pi, Kappa Mu Epsilon, CS Team
- Academic All-American 1987, 1988, 1989