

Brian Sodano



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Profile

Innovative and creative technology professional with a wide array of skills, knowledge, and solid work experience in the industries of banking, financial services, higher education, and for U.S. Naval Facilities. Have expertise in C#, XAML, JavaScript, GIS and mapping, database programming, ArcGIS Desktop/Server (ArcObjects), and 3d programming with x3d and VRML. Able to perform SDLC tasks from requirements, information architecture, system architecture, User Experience (UX), User Interface (UI), development and deployment. Can process complex tasks while working to develop business partnership and meet goals.

Experience

Software Architect / Business Process Automation – Synergy Software Design

Naval Facilities Engineering and Expeditionary Warfare Center

November 2008 - Current

- Developed a desktop-based client (WPF) for viewing and editing geospatial data using the ESRI File Geodatabase API, allowing views of geospatial information for those without ArcMap. The implementation included the ability to draw, import or manually create features and save per the ESRI shape file specification into File Geodatabases.
- Architected a VRML quad-tree-LOD generation engine (WPF/Interop C++) that interpolates elevation/topography files, terrain/imagery files, and accesses a WMS imagery service, allowing for data analysis, discussion, and sharing of 3d scenes. A layer management system for display of bounds and metadata was mashed together with Bing Maps for WPF as a GUI.
- Created a bathymetry data automation tool (WPF) with customized SDK (C++) accessing the U.S. Naval Oceanographic Office (NAVOCEANO) Digital Bathymetric Data Base – Variable Resolution (DBDB-V) data, processing for automatic generation of raster grids and vector contour lines, and then piped communication (WCF) to an ArcGIS Desktop plugin for further manipulation.
- Created a Geospatial Digital Asset Management system (WPF), Inquiry Manager, to track and manage the lifecycle for incidents maintained by the Naval Seafloor Cable Protection Office (NSCPO) via a complex business workflow.

Software Architect / Lead Developer – 4am

January 2012 - Current

- Architecting/Developing web-based (Node.js) DOD-compliant time-entry system using RESTful web services and having a responsive (KendoUI, jQuery, MVVM) User Interface. Data is stored using PostgreSQL, hosted on Heroku, and local data is cached using MongoDB. Conversion from existing working solution using Oracle 10g / APEX.

Senior Software Engineer - Consultant

Banco Santander / Sovereign Bank – Application Engineering Group

November 2008 – August 2009

- Developed components for the wire-transfer system authority auditing using web forms (ASP.NET), server daemons (Java SE), and scripts (VBScript) communicating to a data store (SQL Server) and triggering stored procedures for data replication.

Software Engineer – Consultant

Regis College

December 2007 - November 2008

- Architected a comprehensive site redesign and portal implementation (www.regiscollege.edu), including a new CMS platform (Sitecore), new presentation platform (ASP.NET), database (SQL Server) and additional application components (Lucene.NET, Wordpress MU). Parsed and integrated data exports from the CMR (Datatel Colleague) for faculty and student portal.



Senior Software Engineer

Sovereign Bank – Capital Markets & Wire Transfer Systems

April 2005 – December 2007

- Co-developed a remote banking application (Bank in a Briefcase) designed for quick automated enrollments at event locations. A Windows desktop client and data model, using a server back-end (ASP.NET, MSMQ) to synchronize when online. Developed original POC using Adesso Systems' dynamic database product with .NET API.

Software Engineer

Bank of America / FleetBoston Financial – eCommerce Enterprise Services

September 2000 – April 2005

- Created content type data capture templates (XSL, XSLT, DTDs) and customer workflows (Perl) for Interwoven TeamSite.
- Architected application design and implemented retail operational / sales management dashboard (ASP, SQL Server). Developed original POC using BEA Weblogic Portal.
- Developed custom CMS system / portal (ASP, SQL Server) as part of retail banking paperless initiative.
- Managed and configured deployment and development environments, source control, project workflow for 30-person development team (TeamSite, OpenDeploy, ColdFusion, SunONE Web Server).

Education

ESRI ArcGIS Desktop Developer Associate - Certification

TBD 2013

Currently studying for exam – exam date TBD.

Ithaca College School of Music

September 1996 – May 2000

Bachelor of Music with concentration in Music Performance. Minor in Audio Production.

Skills

Languages

C#, XAML, VRML, x3d, JavaScript, Java, C++/CLI, C++, VB.NET, VBScript, SQL

Frameworks

WPF, MVVM, Mono, Silverlight, ArcObjects, ArcGIS Desktop, ArcGIS Server, File Geodatabase API, Global Mapper SDK, BitManagement BSContact SDK, Node.js, KendoUI, Telerik RadControls, WinForms, ASP.NET, Ektron CMS, Interwoven TeamSite, OpenDeploy, Wordpress, T-SQL, PL/SQL, DTS, SSIS, jQuery, XSLT, WiX Installer framework

OS/Servers

Windows Server, OS X, Ubuntu, Open SUSE / SLED, Red Hat / Oracle Linux, Sun Solaris

Databases

SQL Server, File Geodatabase, ArcSDE, MSDE, SQL Server CE, Oracle 10g, SQLite, PostgreSQL, MySQL

Interests

Distance running / racing, cycling, triathlons, travel, photography, cooking, home-schooling.