

Eric W. Sarjeant

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Position Sought

Develop and deploy innovative computer applications that enable users to pursue meaningful enterprises.

Work Experience

- 4/2014 – present **Senior Software Engineer**
Above Property Naples, FL
Developing next generation CRS software for the hospitality industry.
- 9/2013 – 4/2014 **.NET Developer III**
Arthrex Naples, FL
Maintain and support a suite of business applications in a Microsoft .NET ecosystem. Introduced Nuget for project dependencies to help standardize application build and deployment methodologies. Primary development tools include Visual Studio 2013 and TFS, with development work focused on ASP.NET Webforms and SQL Server.
- 8/2009 – 9/2013 **Senior Programmer Analyst**
Pegasus Solutions Bonita Springs, FL
Maintain and enhance a CRS for the hospitality industry. The Pegasus RVNG platform supports OTA and AMF messaging for GDS on a modern Java architecture. Primary development tools are focused on Java/JSP with Oracle RDBMS and PL/SQL.
Provide a supporting role for RVNG migrations from legacy reservation management systems. This includes operational work as administrator on production systems for the purposes of executing successful customer migrations.
Member of performance team that was responsible for improving system response times. Utilized a number of tools for identifying areas for improvement. Updated test harnesses to provide better performance metrics and enhanced tools to leverage JMS testing in other environments.
Development methodologies leverage agile techniques with Rally for user story planning. Version control systems include primarily SVN, CVS and GIT.
- 4/2006 – 8/2009 **Senior Software Engineer**
WilsonMiller Naples, FL
Implement and support internal applications for the enterprise with deployment on the desktop and via the web. Primary development tools are focused on Microsoft .NET 1.1/2.0 with most development in C# using MS-SQL Server. Some legacy integration work is maintained in MS Access and ColdFusion.
Key projects include a unified CAD directory management tool, website for collaborating with clients and vendors, CRM database with MS Access and ASPx front-end, automated timesheet application for survey field-crew, Alchemy document

repository integration and a variety of reporting applications. Actively engaged in corporate virtualization efforts including VMware Server deployment for a number of new systems.

Customer projects included spatial application development using ESRI ArcGIS 8/9 on MS Windows. Implemented a mosquito treatment planning program for Volusia County, this provided route planning and team assignment operations using a county map with an overlay that rendered previous insecticide applications. This was used in conjunction with cost recovery to compute the areas of treatment that could be expensed within the incorporated areas of the county.

For FDOT, modernized an existing ArcMap application using ArcGIS 9.3, C# and a standalone Oracle database containing work program project data. The map was able to render work project data to a map of the state of Florida, various selection criteria were then implemented to locate specific work areas in the state. A key area of development focused on cloning work program data so that it could be queried against a copy of a map while the user was disconnected from the FDOT network.

Leveraged agile practices including test-driven development and iterative application implementation. Web interfaces use AJAX techniques to minimize HTML rendering, utilizing Dojo and JSON for presentation and data transport respectively.

5/2002 – 3/2006 **Senior Software Engineer**

ASG

Naples, FL

Maintained and enhanced an early generation web-based portal delivery application. This product was extended to support web-based portlet delivery and database installation directly from a WAR file.

Member of a team developing a GUI scheduling application using AWT/SWING presentation and an XML data transport. Primary responsibility was the application security architecture, including an encryption library using a Blowfish ECB block cipher in Java and C. This work was extended with another project to a secure network licensing protocol using TCP/IP and JCE.

Worked on architecture and implementation for the UMA project. This system was designed to provide a central facility for monitoring the health of your organization. Primary responsibility was the dynamic data model generation for storage with ASG Rochade.

Deployed code monitoring techniques to pro-actively manage the application development life cycle.

2/2002 - 10/2002 **Principal Architect**

Graphite Software

Naples, FL

Developed a web-based clinical data application using Apache Tomcat and PostgreSQL. Provided rapid entry of baseline patient information and demonstrated real time analysis of trends in tabular and graphical forms. All clarified study data was patient de-identified in accordance with HIPPA, and forms were Electronic Signature compliant (21 CFR Part 11: Electronic Records; Electronic Signatures).

This was a startup company where my role was the principal developer. The primary objective was to provide a web based analysis tool for Phase IV Clinical Trials and to partner with a fulfillment partner to provide on-line direct drug orders.

7/2001 - 2/2002 **Systems Architect**

Medical e Network

Naples, FL

Designed and implemented Electronic Medical Record (EMR) applications. Primary duties included managing a development team, coordinating design aspects of core technology, drafting architecture proposals, achieving team consensus on design strategies, planning project development time-lines and various other managerial tasks.

Coordinated product delivery strategies, closely managed source code change control activities in conjunction with database version control. Reported directly to the President of the company where my focus was to release the next generation EMR tool while addressing concerns of both Sales and Senior Management.

6/2000 - 7/2001

Senior Software Engineer / Architect

Corechange

Boston, MA

Responsible for design and development of a second generation portal solution using Java, XML/XSL, JCE, JNDI, JDBC, and LDAP. Devised strategy for abstracting data access to both JDBC and JNDI sources. Implemented unified strategy for loading and templating portal functions supporting multiple devices with XSLT and a portal function factory. Leveraged an Ajax-style interface using JavaScript, XML and DHTML.

Involved in the authoring of performance testing guidelines and enabled QA to quantify system metrics. Established coding standards and enforced JavaDoc documentation requirements.

Presented architectural capabilities to prospective customers, investors and partners. Managed small teams of developers (2-4) in the implementation phase to ensure uniformity of design and documentation.

7/1999 - 5/2000

Senior Web Developer / Systems Architect

Toysmart.com

Waltham, MA

Lead developer responsible for implementing e-commerce solutions on the web. Primary development tools included ASP, VB and SQL (T/SQL). Primary coding responsibilities included personalization using Microsoft Membership and MS-SQL server. Optimized legacy code-base in preparation for a high growth holiday shopping season. Troubleshooted complex systems integration problems in production and staging environments.

Member of architectural team responsible for designing next generation Internet commerce solutions. Proposed and documented key components in a scalable e-commerce design capable of meeting changing business requirements. Activities also included analysis of emerging website technologies including BroadVision, InterWorld and iPlanet.

9/1995 - 7/1999

Senior Web Applications Developer

Giga Information Group

Norwell, MA

Application development activities focused on the World Wide Web and the Internet. Development tools included Java, Perl, C, ASP, Lotus Notes (Notes Macros, LotusScript, NotesSQL, Domino, OLE), VB, MAPI (CDO) and SQL (T/SQL, JDBC, ODBC)

Maintained a corporate website implemented as a proprietary Java CGI scripting environment. Member of the team responsible for building the site. Developed the next generation web-based system using Microsoft SQL Server, Microsoft Site Server

and Microsoft ASP. Lead Giga developer on a 4 person team responsible for designing the system and a primary lead on the integration and deployment phase.

Member of the IS support staff and worked as a TSE on the front-line of our customer support department. Served as the Postmaster and Webmaster for our company. Responsible for troubleshooting a variety of network issues. Software exposure included Perl, SQL, ASP, and Lotus Notes primarily on Solaris/SunOS, Linux, Windows 95 and Windows NT. Hardware experience included administrative support for Sparc, SGI Indy, Cisco 2500/2509 routers, ISDN dialup routers and a variety of user workstations and portables.

9/1994 - 9/1995

Systems Administrator/TSE

ExperNet Corporation

Palo Alto, CA

Provided support for a Lotus Notes ISP. Activities included configuring routers and modem pools, Lotus Notes installation and documentation, Btrieve database maintenance, accounting integration, and UNIX systems administration.

▲ Consulting Experience

2/2004 – 5/2009

Software Consultant

Conceivium Business Solutions

Naples, FL

Designed and implemented a mobile terminal solution for Blackberry wireless handheld devices. The terminal application supports TELNET and SSH protocols, and can support a variety of terminal emulations including VT2xx, ANSI and TN3270. A custom server was implemented to optimize the data transport between the Blackberry device and the remote terminals.

Maintained a variety of applications, including the Blackberry suite of products (mobileRED, MobileMonitor, and MobileAnalyzer). Development languages include Java and C/C++ using BlackBerry JDE with Apache ANT and Visual Studio 2008.

11/2003 – 4/2004

Software Consultant

Neighborhood America

Naples, FL

Provided extensive maintenance and upgrades for a VB .NET application running on PocketPC 2003 devices. Data delivery was implemented using MS SQL Server replication and SQL Server CE. The application provides electronic punch lists for builders and contractors with synchronization to a central database. Delivered a complete MSI installer for seamless deployment through ActiveSync.

This project was functionally complete, my consultation work was focused on optimizing elements of the interface within the design constraints of the PocketPC. This required focusing on memory limitations and general interface enhancements. Furthermore, there were fundamental architectural issues that had to be identified for the client to be able to pursue a TabletPC version of the product.

▲ Education

1994

University at Buffalo, The State University of New York
Bachelor's Degree

English, Computer Science (minor)

1988

The Park School of Buffalo
High School

^ Technology Experience

Programming Experience:	Java (1.0-1.8) C (UNIX/NT) VB (1.0-7.0) Objective C	C# (.NET 1.1/2.0/3.0) VB.NET Flex
Scripting Experience:	ASPx JavaScript/AJAX/JSON JSP JSF Perl sh/csh/bash	ASP HTML/DHTML Perl XSL PHP Python
Database Experience:	Cassandra (1.1-2.2) MS-SQL (6.5-7.0, 2000, 2005) PostgreSQL (7,8,9) DB2 (7.0) MS-Access (95-2010) SQL Server CE	Informix (11) Oracle (8i – 11g) MySQL (3,4) Lotus Notes (3.0-5.0) MS Exchange (5.0 and 2000) ASG Rochade
Database Middleware:	JDBC XML ADO RDO MAPI	ADO.NET JCE ODBC RPC OLEDB
Operating Systems:	UNIX (SunOS/Solaris, Linux, BSD, IRIX, HPUX, AIX, Mac OS X) MS Windows	
Application Experience:	VMware Workstation/Server Zenoss Blackberry JDE Deltek Advantage Deltek CRM MS Visual C/C++ MS Visual Studio .NET Intellij IDEA Adobe Flex 3 Apache Tomcat Maven JUnit WebSphere Argo UML Rational Rose Visual Source Safe StatCVS sendmail MS Outlook	VirtualBox DimDim MS Visual InterDev Deltek Vision Alchemy MS VisualBasic Windows CE .NET NetBeans Sybase PowerDesigner Apache Ant Gradle JUnit WebLogic Rational ClearCase Visio CVS/SVN/GIT EMACS Lotus Notes MS Exchange