

ERIC FARR

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Credentials In

SOFTWARE ENGINEERING AND ARCHITECTURE

OVERVIEW

OBJECTIVE: Seeking a technology leadership position where I can employ my experience in object-oriented analysis, design, and development to design great software and lead and mentor teams in its development.

APPLICATION EXPERIENCE: Web-based Applications (C#/ASP.NET, C++/CGI, ASP/COM+)
 SOAP-compliant Web Services
 ActiveX Controls & Automation Servers
 XML Parsing and Manipulation
 Database Front-ends in C++ and Visual Basic

SKILLS: Object-Oriented Analysis, Design, and Development
 Service Oriented Architecture (SOA)
 Application Design for Performance & Reliability
 Microsoft .NET Framework
 Visual C++, C#, Managed C++, ASP.NET, VB, ATL, MFC, and Intel Assembler
 Database Design
 Java Servlets and Applets
 MS SOAP Toolkit 2, SQL, XML, UML, COM/COM+, HllApi, Perl, Lex and Yacc
 Windows NT, 95, & 3.1 Display Drivers, Windows NT Kernel Mode Drivers

WORK EXPERIENCE

2/2004 to Present SDI CONSULTING, INC. Alpharetta, GA

Participating on a team at Ernst & Young refactoring and delivering a complex, web-based international tax calculation application in C#. Heavy use of NUnit and Test-Driven Development (TDD).

10/2000 to 2/2004 EPICOR SOFTWARE/CLARUS CORP. Duluth, GA

Led migration of C++ based CGI application to Microsoft .NET platform by leveraging existing code through Managed Extensions for C++, ASP.NET, C#, XML, and Web Services.

Served on architecture committee that designed the next generation Supplier Relationship Management system on the Microsoft .NET platform. Worked on prototype in C# and ASP.NET.

Architect and development lead for Clarus Sourcing, a leading web-based auctioning and direct procurement automation product. Clarus Sourcing integrates with third-party applications through SOAP-compliant web services, is fully internationalized, scales across web farms, and offers customizable XML/XSLT based reporting. The team has varied in size from one to five. Project included C++, STL, SOAP, XML, and SQL Server.

Contributed to design and development of a direct materials procurement system in ASP and VB/COM.

8/2000 to 10/2000 THOUGHTMILL CORP. Alpharetta, GA

Designed an n-tier, distributed, hand-held, voice-activated data collection system for the medical industry. Led team of four engineers in initial development phase. Utilized Windows 2000 & 98, Visual C++, MFC, SQL Server, and Dragon NaturallySpeaking voice tools.

1/2000 to 9/2000 INTEGRISOURCE CORP. Alpharetta, GA

Designed a high-performance, scalable system for collecting and analyzing geographic network information from the Internet.

Developed a Java to ActiveX bridge to allow a device with an ActiveX-only SDK to be controlled by Java code. Developed a graphical XML input, output, and editing component of a larger commercial application, complete with XML and DTD parsing and drag and drop capability. Project included use of Visual C++, ActiveX/COM, ATL, VB, XML, and Java.

8/1991 – 1/2000

SDI CONSULTING, INC.

Nashville, TN

Developed a graphical SQL query builder, complete with SQL syntax parser. Project included use of Visual C++, ActiveX/COM, ATL, VB, SQL, and Lex & Yacc.

Led development of VC++/MFC application that interacted with SQL Server database through ODBC and with a legacy host system through HllApi 3270 emulation. Project included Visual C++, MFC, SQL Server, ODBC, HLLAPI, and Perl.

Led project to optimize performance of an application consisting of COM components deployed in a VB application that is a client to an ODBC database.

Developed telephony interface for a four line Dialogic board to an Access database in Visual Basic.

Developed Winsock client that communicates with DNS and HTTP servers.

Developed various databases in Access and Oracle, and developed user interfaces in VB and C++/MFC with DAO and ODBC and a database server in VC++/MFC that serves an Access Database to clients across the Internet through TCP/IP sockets.

Providing device driver design, development, and optimization to companies where performance and reliability are critical, such as Diamond Multimedia, Binar Graphics, STB Systems, and IBM.

Redesigned a multi-chip, multi-OS driver architecture improving performance dramatically and allowing easier integration of support for new chips.

Contributed to development of multi-display, multi-input system for Windows NT Workstation/Server.

Developed a technique for calling real-mode BIOS interrupts from protect-mode OS/2. The technique involved the creation of virtual-8086 session, a task switch to it, the software interrupt call, and a switch back to protect mode—all in a physical device driver.

6/1990 – 7/1991
NC

AMERICAN EXPRESS

Greensboro,

Developed PC-to-host applications with C and HLLAPI.

Developed workflow simulations in the C programming language.

8/1988 – 7/1991

ANALYTIC SERVICES, INC

Arlington, VA

Developed various statistical analysis programs in C.

Designed a database in Oracle.

EDUCATION: BS, Industrial Engineering, University of Miami, 1988, Magna cum Laude