

## COMPUTER SOFTWARE ENGINEERING PROFESSIONAL

A seasoned, problem-solving, object-oriented software engineer with extensive real-world commercial experience creating high-quality, database-driven enterprise applications using .NET languages. Strengths include a hands-on developer and team player, a good user interface designer and interests in the mobile world.

### TECHNICAL SKILLS

- **Primary Languages:** ASP.NET Web Forms, Windows Forms, C#.NET, VB.NET, ASPX, ASP, JavaScript, HTML, XML
- **Data Access:** Microsoft SQL Server 2008, Oracle 10g, Microsoft Access, ADO.NET, and ADO
- **Tools:** Visual Studio 2010, SQL 2008 Management Studio, Internet Information Services (IIS) 7.5, Telerik ASP.NET AJAX controls, Visual Source Safe, OOD/OOP, N-tier client server architecture

### PROFESSIONAL EXPERIENCE

#### **BECTON, DICKINSON and COMPANY, San Diego, CA**

**2010 – Present**

*An \$8 billion patient care company with more than 40,000 employees worldwide.*

##### ***Senior Software Engineer / Senior Consultant in Learning Management System, Global Learning***

As part of a 9-person team, I helped design and develop eClass 4.0 - an FDA-regulated, 21 CFR 11, localized, C# ASP.NET 4.0 and Microsoft SQL 2008-based learning management system. It is a single sign-on Windows-authenticated site used worldwide by personnel to take training and manage their training requirements.

- 3-tier ADO.NET application employed C# master pages, resources files and inheritance of base classes.
- Built complex custom user controls, a quiz tool, an audience selector, and executed SMTP functionality.
- Wrote and performed implementation plans for deployments.
- Created SQL stored procedures, functions and views supporting the data layer.
- Created Microsoft SQL 2008 SSIS packages for data integration and email processing.
- Verified migration of legacy application via SQL statements using Excel spreadsheets for tests.
- Maintained previous version prior to beginning development of new system in 2011.
- Developer of a ScrewTurn-based Wiki for the software development team to promote collaboration.
- Managed and extended internal web-based database-driven bug tracking site (BugTracker.NET).
- Introduced team to Scrum and Agile software development.

#### **IRDETO BSS, Carlsbad, CA**

**2005 – 2009**

*A \$75 million cable and satellite TV customer care and billing software provider.*

##### ***Staff Senior Software Engineer***

Delivered various C#-based components adding extensive capabilities to the ASP.NET 3.5 flagship application, IBS v6, in an Agile-based software development environment. Co-lead developer from inception in a 7-member team creating a BackOffice C# Windows Form configuration application using software patterns to ensure proper code development as new engineers joined the team. Subject Matter Expert in a BackOffice application that allowed users to run massive batch updates to the application's database.

- Developed C# ASP.NET 3.5-based web pages for IBS v6.
- Lead developer of a C# Windows Form BackOffice application (the Translation Manager) that updated a separate Oracle database so users could configure each text element of the user interface.

- Used Team Foundation Server and Cruise Control.NET for automated continuous source control.
- Resolved software defects in legacy Visual Basic 6 SP5 application; designed and created a Silverlight 2.0 prototype and a WPF prototype for its updated version.
- Responsible for reworking the wiki UI for easier use and discovery of information to help disseminate a vast amount of intellectual property to a growing team of software engineers.

**INDEPENDENT CONTRACTOR, San Diego, CA**

**2003 – 2005**

***Software Engineer – Fresenius Medical Care Extracorporeal Alliance***

Lead developer in a three-person team; initiated R&D and design phases of a Visual BASIC.NET project to replace a legacy database application (Paradox database on DOS) for a medical personnel outsourcing company.

***Senior Software Engineer – Hewlett-Packard***

Contributed to team of software engineers in an internal study on the usability of the company's large intranet.

***Software Engineer – Communication Partners, Inc.***

Collaborated with team engineers and created user interface and data validity component for an internal VB.NET Windows Form application that created benefits enrollment package web sites.

**EAST COUNTY ECONOMIC DEVELOPMENT COUNCIL, San Diego, CA**

**2001 – 2002**

***After Hours Contract Software Developer for www.connectory.com***

Worked with a small team to design and develop a classic ASP-based web site to import data for a database used by the California Buyer-Supplier network. *Won 2002 Governor's Technology & Innovation Award.*

**WIRELESS KNOWLEDGE, INC., San Diego, CA**

**2000 – 2003**

*A joint venture of QUALCOMM and Microsoft allowing customers to wirelessly access enterprise data.*

***Senior Staff Software Engineer***

Pioneer in a team responsible for building a SQL Server-driven administrative support web site for maintaining users in flagship collaborative software-mobilizing application, Workstyle. Lead developer in project that transitioning from classic ASP and Visual Basic web classes to ASP.NET data grids and to C# Windows Forms.

**STELLCOM TECHNOLOGIES, San Diego, CA**

**1998 – 2000**

*A multi-million dollar premier systems integration firm.*

***Senior Software Engineer – Staff and Contractor***

Worked with several developers developing Visual Basic components and creating classic ASP web sites driven by Microsoft SQL Server 6.5. Transitioned to Wireless Knowledge in 2000.

**WRIGHT STRATEGIES, INC., San Diego, CA**

**1996 – 1998**

*A \$5 million provider of rapid development, enterprise mobile applications.*

***Webmaster and Technical Publications Manager***

Managed two technical writers who created technical documents for flagship handheld PC-based application, FormLogic. Led the transition of the corporate web site from HTML-based to classic ASP.

**TECHNICAL TRAINING**

SkillSoft Elective Training – 2010-Present

Writing Queries Using Microsoft SQL Server 2008 Transact-SQL – 4/2011

Microsoft Professional Developers Conference (PDC) Attendee, Los Angeles – 11/2008

Introduction to Agile and Extreme Programming Practices (Carlsbad) – 9/2007

**EDUCATION**

BA (Biology), Oberlin College, Oberlin, Ohio