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Online Resume:  <http://cochand.com/jeff/>

Objective  
A contract position as a Senior Engineer, Lead Engineer, and/or System Architect in the design, development, and integration of computer systems. Will also consider well-matched permanent positions.   
  
Particular Areas of Interest and Qualification

 Microsoft Windows & Web design & development, using SQL Server, .NET, IIS, ASP.NET, etc.

 Database Design & Dev, including expertise in SQL Server, Oracle, Access, and Thunderstone Texis

 Java, AJAX, Eclipse, Swing, SWT, and C++ programming on Unix, Linux, and Windows platforms

 Design, Development, and Analysis of client, server, & web-based applications

 Image Processing, 3D Computer Graphics, and Robotics applications   
  
Highlights of Qualifications

 Proven technical innovation and leadership, as contractor, consultant, & CTO

 Effective contributor and motivator in a team environment

 20+ years' experience as a highly skilled software developer

 Ability to apply technical knowledge and skills to a wide variety of applications

 Extensive startup experience; equally comfortable in the Board Room & the Coding Cubicle

 Incorporated consultant with Technical Depth & Business Breadth   
  
Computer Proficiencies

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| **Programming Languages** C#, C++, C, VB, VB.NET, ASP.NET, Vortex Java, AJAX, Javascript, SWT, Swing, CGI, Perl | **Operating Systems** Windows 7, 2008, 2003 Server, XP, 2000, NT Linux (RHEL, Cent OS) & Unix |
| **Microsoft Technologies** Visual Studio, SQL Server, IIS, .NET 4.0, ASP.NET, ASP WF 4.0, WPF, WCF, LINQ, Silverlight, COM, DCOM, MTS ADO.NET Entity Framework (EF) 3.5 & 4, WF 4.0 SharePoint Web Parts development | **Databases** SQL Server, T-SQL, MS Access, Oracle 11g, PL/SQL, Sybase DB admin, config, scripting, and stored proc dev |

Professional Experience   
**Recent Accomplishments**

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| 2003 - 2012 | System Consultant / Software Contractor |  |

In the past nine years, I've implemented:

 Win, Web, & SharePoint Web Parts financial services apps at [AMG](http://www.amg.com/) using .NET, Entity Framework, and WCF Web Services.

 A [Social Messaging](http://www.messagemaker.com/social/features/) (Facebook & Twitter) SaaS website in .NET 4.0 C#, jQuery IIS 7.5, & SQL Server with an Agile dev team.

 DotNetNuke (DNN), ASP.NET eCommerce, and Classic ASP versions of <http://www.teamstudio.com>.

 Designed & built a 3-tier .NET 4.0 web service based Windows Workflow Foundation publishing system.

 Supported & enhanced software medical device built in Java & Oracle 11g.

 Reverse-engineered, rebuilt, and deployed [http://www.GetTheJob.com](http://www.getthejob.com).

 All technical aspects as the CTO for the startup [ModelGolf](http://bluelobstercreative.com/modelgolf).

 Version 1.0 of [SIIMON](http://www.biometrics.dod.mil/newsletter/issues/2008/Jan/v4issue1_pm.html) on an ultra mobile hardened touchscreen for the DoD/Navy.

 A dispatch call log and trouble ticket system in C#, ASP.NET, and SQL Server Express 2005.

 A C# Windows Forms .NET application that reads from SQL Server and XML files and generates Crystal Reports.

 SQL Server query optimizations.

 An Educational Assessment application implemented in VB.NET and SQL Server.

 Java Eclipse 3.1 SWT and Swing User Interfaces.

 A website that automatically updates itself to maintain first page ranking in Google searches.

 C# code that encapsulates a C++ dll.

 ASP.NET, SQL Server 2000, and XML Web Services applications for web micropayments.

 An ASP, Access, C#, and SQL Server application to organize the accounts of a financial mgmt firm.

 Vortex scripts that enhance Webinator using custom Texis SQL database tables and XML output.

 Real-time Thunderstone search capabilities for electronic components and surrounding .NET website.

 A web-crawling system that retrieves and classifies worldwide corporate financial information.   
  
**Software Consultant**

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| 1994 - Present | System Consultant / Software Contractor |  |

For the previous 16 years, I’ve been a Software and System Consultant for approximately 35 different companies. Projects range from 10 days straight grunt programming to multi-year engagements including system design and project and people management responsibilities. Most of my work involves in-depth design and programming of customized hardware and software solutions for a wide range of industries. Details are at <http://cochand.com/jeff/>.   
  
**Software Developer / System Engineer on numerous image processing and computer graphics projects**

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| 1988 - 1994 | Imaging and Graphics Software Engineer |
| TASC | Reading, MA |

Most often my responsibilities revolved around system and software development. I often worked on projects from concept through delivery, and was typically involved in proposal writing, system design, project management, software implementation, hardware integration, and customer briefing and support. Most projects were UNIX based, often on Sun and SGI hardware, although I gained significant experience working on super computers, PC’s, and Macs. CASE tools were often employed during project work, and I frequently took the lead role in searching for ways to improve our system development efforts. Most of the software development work was done in C and C++. I am intimately familiar with the X Window System, Motif, Visual Programming Environments, and several 3D graphics programming languages. I developed and used image processing software and 3D modeling and rendering software. I attended numerous training courses and conferences, and authored several technical papers.   
  
Education

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| **M.S. Electrical Engineering, 5/88** Purdue University, W. Lafayette, IN GPA: 5.5 / 6.0 Computer graphics, AI, robotics | **B.S. Computer & Electrical Engineering, 5/87** Purdue University, W. Lafayette, IN GPA: 5.6 / 6.0 Broad curriculum in computer hardware and software |