



# Resume

## Summary

**Name:** Sara Morgan Grand (formerly Sara Morgan Rea)

**Title:** Independent Consultant/Author/Speaker

**Location:** St. Francisville, Louisiana

**Expertise:** Experienced in short and long term contract jobs, writing opportunities, and speaking.

Experienced Developer and Program Analyst who is a certified MCSDB and MCDBA. Developed and deployed ASP.NET, C#, VB.NET, and Intranet applications. Developed robotic applications and training documentation for Microsoft Robotics Studio.

Named Microsoft MVP for Office Communications Server (OCS) 2007.

## Experience

**Company:** Custom Solutions, LLC

**Project, Title:** Independent Consultant/Author/Speaker

**Start – End Dates:** 11/2005 to Present

- Summary:**
- Wrote API and Administrative Guide documentation for the Office Communications Server documentation team.
  - Designed and taught a 2-day Introduction course on using simulation with Microsoft Robotics Studio.
  - Developed and deployed a complex Robotics Studio application package named ClassPack. The software allows CoroWare customers to simulate working with the company's mobile robot, named the CoroBot.
  - Co-authored a Training Kit for Microsoft Press concerning Windows Communication Foundation (WCF), 3.5. Also wrote all 200 practice questions for this Training Kit.
  - Authored an article for MSDN magazine titled, "Simulating your world with MSRS".
  - Authored a book for Microsoft Press titled Programming Microsoft Robotics Studio.
  - Authored a Technical White Paper for the Microsoft IT Showcase group concerning the deployment of OCS 2007.
  - Authored 40 practice questions for Advanced Learning Systems. The questions will be used in a simulated exam of the 70-547 Microsoft certification exam.
  - Co-authored three books for Microsoft Press involving the following subjects: Distributed Application Development, Web Application development, Developing and Optimizing Data Access for SQL Server 2005.
  - Written several articles for the online magazine DevX.com concerning Speech Server and Robotics Studio.
  - Spent one week at Microsoft working as a Subject Matter Expert regarding one of the upcoming Business Intelligence certification exams.
  - Developed and deployed an ASP.NET/C# portal application for Ginger Mae Financial Services (GMFS). The application is used by their external partners to manage users and locate critical information.
  - Developed and deployed and ASP.NET 2005 application for GMFS that will be used by their Call Center to manage and route leads to salespeople.
  - Developed and deployed a website for a small computer consulting company, Health Data Services (HDS). The website is located at <http://www.hds-llc.com>.



## Resume

**Company:** PSA

**Project, Title:** Lead Developer – Senior Applications Architect

**Start – End Dates:** 03/2002 – 11/2005

- Summary:**
- Developed and deployed, as part of a team, a large enterprise-wide ASP.NET application used by City legislatures. Specifically responsible for all web services that are consumed by an external live web application.
  - Developed and deployed ASP.NET application for ExxonMobil that is used by their Computer Management group to keep track of hardware and software.
  - Developed and deployed ASP.NET application for East Baton Rouge Board of Realtors (EBRBR) that is used to access Public Records Data. Long term contract with EBRBR was secured by PSA because of my employment. Support all applications for EBRBR.
  - Developed and deployed ASP.NET Portal application bundled as part of LEGISuite solution.
  - Developed and deployed complex VB.NET Journal application that is part of the LEGISuite solution.
  - Responsible for the continued development and management of a commercially available web-based application named Bill Status. The application utilizes Active Server Pages, ActiveX DLL's, Active Reports, and an Oracle 8i database.
  - Senior developer for LEGISuite commercial web application using Microsoft .NET, Visual Basic 6.0, XML, XSLT, VBScript, IIS, Active Server Pages (ASP), MSMQ, Mobile Web, Web Services on Oracle 8i.
  - Established development standards for software team.

**Company:** Network Technology Group

**Project, Title:** Senior Developer

**Start – End Dates:** 05/2000 – 03/2002

- Summary:**
- Developed and deployed a series of web based applications to improve workflow for the Application Service Provider. Applications deployed performed the following functions: time entry, sales tracking, and contact tracking.
  - Developed several ASP-based web pages for customers such as LA Chemical Association, LA Department of Wholesale drug distributors, BestCare, and BR Board of Realtors.
  - Developed and deployed two NT Services that were used to monitor router traffic and to monitor web usage. NTG is an Internet Service Provider as well as an ASP, so they needed to coordinate web usage and router usage with their main billing package in order to charge Customers accurately.
  - Configured SQL 6.5 replication strategy for major law firm.
  - Created Access based solution that used VBA to pull data from another DB and produce Crystal Reports. The data was too complicated to pull using Crystal Reports alone.
  - Developed a Win32 application that was sold to several clients. The application was used to pull data and documents from Novell's GroupWise application and prepare it to be imported into another document management application. During this process, I helped to uncover an obscure bug with Novell's API.
  - Functioned in the dual role as Developer/Database Administrator. Database administration skills have improved greatly.
  - Completed MCDBA certification within a 3-month period.



## Resume

**Company:** Community Coffee

**Project, Title:** Programmer/Analyst

**Start – End Dates:** 1999-2000

- Summary:**
- Developed and deployed their entire Intranet - a dynamically built solution that once built requires little intervention by the IS department.
  - Developed and deployed on their Intranet a 3-tier based Help Desk application.
  - Development of applications that interface to their main financial package.
  - Developed and deployed VB 6.0 application responsible for monitoring nightly jobs and notifying appropriate people via paging.
  - Developed and deployed application to archive and purge data from their Informix database using SQL Server's 7.0 DTS and VB 6.0.
  - Completed MCSD certification within a 4-month period.

**Company:** United Companies

**Project, Title:** Programmer/Analyst

**Start – End Dates:** 1996-1999

- Summary:**
- Primarily responsible for the development and implementation of 32-bit based applications.
  - Applications created include: front-end for financial system, telephone directory, two applications designed to track data and produce reports, applications which transfer data between platforms.
  - Developed and deployed an Intranet application that collects budgetary data, and an Intranet application which collects and posts loan payments for 200+ branches located throughout the United States.
  - Also developed 3-tier application to quickly transfer data to/from SQL using MTS.

### Expertise

**Capabilities:** MCSD, MCDBA certifications  
Microsoft MVP, 2007  
Writer  
Speaker  
Consultant  
Programmer  
Analyst  
Applications Architect  
Published Author

**Applications:** Microsoft Robotics Studio  
Adobe Photoshop  
Adobe Captivate  
Adobe Flash  
Camtasia Studio  
Microsoft Expression Studio  
Microsoft Access

**Platforms:** OCS 2007 - Speech Server  
Oracle 8, 9i, 10  
Microsoft SQL Server 2000, 2005, 2008



# Resume

**Languages & Tools:** Active Reports  
Analysis Server 2005 and 2008  
Classic ASP  
ASP.NET 2003, 2005, 2008  
BITS  
Crystal Reports 6.0  
JavaScript and Java  
IIS  
MSMQ  
Microsoft Visual C#  
Microsoft VBScript  
Microsoft Visual Basic .NET  
Microsoft Visual InterDev  
Microsoft Visual Studio 2005 and 2008  
XML  
XSLT  
Windows Communication Foundation (WCF)

## Education

**Institution Name:** Louisiana State University, Baton Rouge, LA

**Degree:** B.S. in Quantitative Business Analysis with an option towards Computer Science, 1993

## Certification

Currently hold the Microsoft Certified Solution Developer (MCS D) and Microsoft Certified Database Administrator (MCDBA) Certifications. Have taken and passed the following:

- 2002 - Designing Windows applications with VB.NET
- 2002 - Microsoft SQL 2000 Design
- 2001 - Microsoft Windows 2000 Server
- 2001 - Microsoft Administering SQL Server 7.0
- 2000 - Microsoft Solutions Architecture
- 2000 - Microsoft SQL 7.0 Database Implementation
- 1999 - Microsoft Visual Basic 6.0 Distributed
- 1999 - Microsoft Visual Basic 6.0 Desktop
- 1998 - Microsoft IIS 3.0

## Published Work

- 1998
  - Article in Microsoft's Interactive Developer about Stress Testing Web Sites.
- 1999
  - Articles featured on the MSDN Online Gazette site. Refer to:
    - <http://www.custsolutions.net/MSDNOnline.asp>. Articles titled:
      - Three-Tier Development and Visual Studio 6.0
      - Maximizing Your Microsoft SQL Server-Connected Web Pages with ActiveX DLLs
      - Setting up a DSN to an Informix Database



## Resume

- 2000
- Articles featured in Enterprise Development Magazine. Refer to: [www.enterprisedev.com](http://www.enterprisedev.com). Considered a regular monthly contributor. Articles titled:
    - Data archiving on Demand (February Issue)
    - DNA for the Real world (April Issue)
    - Visual Database Design (May Issue)
    - Emailing In your Organization (June Issue)
    - Creating a Dynamic Intranet (July Issue)
- 2002
- Articles due to be released in MSDN Journal, but never published due to time constraints: Article concerning use of MetaEdit 2.2 tool in understanding IIS Metabase and article concerning using IIS web logs.
- 2003
- Article featured in .NET development using .NET alerts. Refer to: <http://www.fawcette.com/dotnetmag/>
- 2005
- In March 2005 released, "Building Intelligent .NET Applications: Agents, Data Mining, Rule-based systems, and Speech Processing", published by Addison-Wesley. The book has been very well received by reviewers. To get more information about the book visit: <http://www.custsolutions.net>.
  - Article featured on Visual Studio Magazine about Data Mining with SQL 2000. Refer to <http://www.custsolutions.net/DataMining.asp>.
  - Article featured on DevX.com titled, "Top Ten Tips for Designing Telephony Applications". Refer to <http://www.devx.com/dotnet/Article/29623>
- 2006
- Article featured on DevX.com titled, "How to Build Grammars for Speech Enabled Applications". Refer to: <http://www.devx.com/dotnet/Article/30284>.
  - Article featured on DevX.com titled, "Make you ASP.NET Applications Talk with Text-to-Speech". Refer to: <http://www.devx.com/DevX/Article/30520>.
  - In October 2006 released, MCTS Self-Paced Training Kit (exam 70-529): Microsoft .NET 2.0 Distributed Application Development, published by Microsoft Press. To get more information about the book visit: [http://www.amazon.com/gp/product/0735623325/sr=8-1/qid=1151378424/ref=pd\\_bbs\\_1/103-1733990-7339836?ie=UTF8](http://www.amazon.com/gp/product/0735623325/sr=8-1/qid=1151378424/ref=pd_bbs_1/103-1733990-7339836?ie=UTF8).
  - Article featured on DevX.com titled, "How to Control Your Robot (and Other Devices) with Your Voice". Refer to <http://www.devx.com/DevX/Article/30866/0>.
  - Article featured on DevX.com titled, "An Introduction to Programming Robots with Microsoft Robotics Studio". Refer to: <http://www.devx.com/dotnet/Article/32729>.
- 2007
- Article featured on DevX.com titled, "Using Microsoft Robotics Studio to Program Parallax's Boe-Bot". Refer to <http://www.devx.com/dotnet/Article/33216>.
  - In January 2007 released, MCPD Self-Paced Training Kit (exam 70-547): Designing and Developing Web Based Applications, published by Microsoft Press. To get more information about the book visit: [http://www.amazon.com/gp/product/0735623406/sr=1-3/qid=1153779989/ref=pd\\_bbs\\_3/002-3084145-6912042?ie=UTF8&s=books](http://www.amazon.com/gp/product/0735623406/sr=1-3/qid=1153779989/ref=pd_bbs_3/002-3084145-6912042?ie=UTF8&s=books).
  - In March 2007 released, MCTIP Self-Paced Training Kit (exam 70-442): Designing and Optimizing Data Access by using SQL Server 2005, published by Microsoft Press. To get more information about the book visit: [http://www.amazon.com/MCITP-Self-Paced-Training-Exam-70-442/dp/073562383X/sr=1-1/qid=1169832574/ref=pd\\_bbs\\_sr\\_1/102-0525174-8538549?ie=UTF8&s=books](http://www.amazon.com/MCITP-Self-Paced-Training-Exam-70-442/dp/073562383X/sr=1-1/qid=1169832574/ref=pd_bbs_sr_1/102-0525174-8538549?ie=UTF8&s=books).
- 2008
- In March 2008 released, **Programming Microsoft Robotics Studio** by **Microsoft**



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**Press.** To get more information about the book, visit [http://www.amazon.com/Programming-Microsoft-Robotics-Developer-Reference/dp/0735624321/ref=sr\\_1\\_1/002-4877243-3748069?ie=UTF8&s=books&qid=1187977851&sr=8-1](http://www.amazon.com/Programming-Microsoft-Robotics-Developer-Reference/dp/0735624321/ref=sr_1_1/002-4877243-3748069?ie=UTF8&s=books&qid=1187977851&sr=8-1)

- MSDN Magazine article concerning simulation in Microsoft Robotics Studio published in the June 2008 edition.
- Article featured in DevX.com titled, "Deliver next-generation SOA apps with Microsoft Robotics Studio". Refer to <http://www.devx.com/dotnet/Article/38092>.
- October 2008, **MCTS Self-Paced Training Kit (Exam 70-503): Microsoft .NET Framework 3.5 Windows Communication Foundation.**