

MaryBeth Farrar

Sr. Programmer Analyst Business Analyst IT Consultant

SUMMARY

Over 25 years experience in all areas of the SDLC: Project Management, Business and System Analysis, Application Design, Database Modeling and Design, Code Development, System Testing & Deployment, Technical Documentation, and Customer Training to Public and Private sectors. Most engagements required ability to gather and document requirements, define and manage business rules, design and code front end user interface, manage data, write and execute test plans, and create complex queries and stored procedures for reporting.

TECHNICAL PROFICIENCIES

Databases	MS SQL Server, Sybase, DB2, FoxPro
Development & Database Query Languages	SQL (Sybase 12.5, MS SQL Server), PHP 5.3, JavaScript, C#.NET, JQuery, Visual FoxPro (9.0 - 3.0), HTML, HTML5, CSS3, SaSS, Bootstrap 4 Beta
Analytical & Design Tools	Atom, MS Visual Studio (2015), MS SQL Server (SQL Server Management Studio, Enterprise Manager, Query Analyzer), Sybase Server Tools (Embarcadero Rapid SQL, DB Artisan, SQL Advantage), Microsoft Office Suite (Visio, MS Project, Word, Excel, Power Point, Access)
Reporting	Crystal Reports 8.5, Cognos Reports 8.3, SQL Reporting Manager
Version Control	Merant Version Manager, Visual SourceSafe
Project Management & Issue Tracking	JIRA, AxoSoft OnTime, MS Windows SharePoint Services, MS Project, Merant Tracker
Methodologies	Waterfall, Agile
Platforms	Microsoft Windows (Windows 10, 7, XP, 2000, NT 4.0, 98, 95, DOS), UNIX, IBM OS/2, Mac OS

EDUCATION

- B.S. Technology & Information Management, Washington University, St. Louis, MO
- B.S. Geography, University of Wisconsin – Oshkosh, Oshkosh, WI

PROFESSIONAL EXPERIENCE

Gateway One Consulting, Inc., Austin, TX

1994-present

Client: United Road, Romulus, MI

Jan 2010-Present

Role: Sr. Business Analyst – Independent Contractor (Remote)

United Road is a vehicle logistics provider with a national footprint covering the entire continental United States coast to coast and from Canada to Alaska.

Accomplishments:

- Performed Business and System Analysis and Design to create a new Quote Management System (QMS)
 - Analyzed two separate vehicle transportation quote systems (United Road, Autolog Corp.) for the purpose of combining both into one Quote Management System (QMS).
 - Gathered and documented requirements from Management and Users.
 - Designed internal web based interface using Visual Studio to plan layout and interaction and to serve as a prototype for the user
 - Created data model and relational database to incorporate data from both systems.
 - Wrote two complex quote calculations to generate 5 possible vehicle transportation quote options. Documented with Visio.
 - Converted old QMS customer data of over 41K records to new database format. Initially populated database with rate and code data.

- Worked closely with Lead Developer providing User approved design specifications, database model, calculation algorithms, and final system testing all code.
- Designed additional internal interface screens for customer and rate maintenance, reporting, utilities
- System Test Public Website Facings as enhancements are added (www.unitedroad.com)
- First point of contact for all Quote Management System issues, new development, and data requests.
- Meet in person or via teleconferences with management and stake holders for purposes of planning and status
- Maintain Bug and Enhancement lists; report to upper management.

Environment: Visual Studio 2010, SQL Server 2008, PHP v. 5.3, JavaScript, JQuery, AJAX, Visio, MS Office Suite 2007 (Outlook, Excel, Word), AxoSoft OnTime

Client: Texas Education Agency, Austin, TX **Sep. 1997 -Jan. 2010**

Roles: Sr. Programmer Analyst / Business Analyst / System Analyst / SME Independent Contractor

Texas Education Agency provides leadership, guidance and resources to help Texas schools meet the educational needs of all students within the entire state.

Accomplishments:

Jul 2007-Jan 2010 Full Time

- As System Analyst and Subject Matter Expert played key role in assuring success in re-write of current Special Education & Services for the Deaf Entitlements System from Visual FoxPro 5.0 to a MS C#.NET GUI / MS Excel Calculation Engine named Consolidated Entitlements Management System (CEMS).
- Designed database components to include calculation and reporting fields.
- Analyzed and reviewed requirements to ensure business objectives would be met.
- Wrote and Documented all Special Ed and Services for the Deaf Federal Entitlement calculations.
- Worked with developer to execute calculation formulas using an Excel Calculation Engine.
- Incorporated Agile development concepts to create maintain product backlogs, create stories, plan sprints, attend daily Scrums, and sprint retrospectives with team of 5 developers, 1 Business Analyst, 2 testers and 1 tech writer.

Sep 2005–Jul 2007 – Part Time

- As Developer and Business Analyst provided as needed support for current Visual FoxPro Entitlements System.

Sep 1997–Aug 2005 – Full Time

As Developer and Business Analyst, managed, developed, and maintained two integrated (funds management and accounting) systems for the Special Education Division at the Texas Education Agency. Singularly worked directly with end users to analyze and define business requirements. Employed UML concepts to develop use cases to capture and manage requirements at a detailed level. Modeled business processes to define how the work was done. Designed new database table structures. Developed and wrote program specifications. Wrote and deployed software applications with scheduled versioned releases. Created detailed testing scripts for system and usability testing. Tracked defects with Merant Tracker. Executed all system testing. Wrote technical and user system documentation. Managed projects using MS Project. Managed version software using Merant Version Manager. Conducted JAD sessions to define system enhancements. Conducted weekly status meetings with users and management.

- Received recognition for system integrity that passed the 2003/4 Attorney General Audit for largest Special Ed entitlements system in U.S. distributing Federal funds in excess of \$7.5 million with accuracy to \$0.25.
- Dramatically improved 6+ day turnaround reimbursements to Texas public schools to 2 business days.
- Re-engineered accounts payable and receivable system to provide clients with next day ability to reconcile with the Texas Comptroller's statewide ISAS system.
- Created master plan and coordinated with division management of Accounting, Grants, Charter School, and IS to accomplish smooth and timely data flow for the notification and delivery of new charter school grants.

Environment: Visual Studio 2008, Sybase up to 12.5, MS SQL Server up to 2008, Visual FoxPro v. 5.0, MS Office Suite 2007, MS Sharepoint, Version Manager, Tracker, Enterprise Architect,, Agile, Crystal Reports, Cognos

Client: Texas Dept. of State Health Services **May 2006 – Jul 2006 / Apr 2007 –Jun 2007**

Role: Sr. Developer / Analyst Independent Contractor

Two separate 3 month contracts (05/2006, 04/2007) to develop and implement additional functionality to existing systems in the Texas Cancer Registry System. Work involved meeting with users to gather requirements and write SDLC design specification documents for user signoff, design, code, test, write test scripts for users, and final user documentation.

Environment: Visual FoxPro v 6.0, MS Office Suite, Visio, Visual Source Safe

Client: American Innovations, LLC, Austin, TX **Mar 2005 – Jun 2005**

Role: Functional Analyst

Contracted to analyze and create Functional Specification documents for American Innovation's gas and oil pipeline monitoring system. Communicated directly with system authors and programming staff to derive requirements and review deliverables.

Clients: Austin, TX 1996 - 1998

Roles: Business Analyst / Software Developer

First Place Reality, Inc. **1997 – 1998**

Texas Career and Technology Educators **1997**

The Insurance Marketplace, Inc. **1996 – 1998**

Medical Data Management, Inc. **1996 – 1998**

Supported FoxPro software development and some hardware services for all of the above small businesses simultaneously as business owner and president of Gateway One Consulting. Systems were written in Visual FoxPro 3.0, FoxPro for Windows & DOS versions 2.6.

Client: Life Science Institute, Inc., Austin, TX **1994 – 1996**

Roles: Director of Information Services / Developer / Database Analyst / Business Analyst / System Analyst

Selected by the CEO to oversee and convert a legacy educational correspondence application from a mini computer in text format to a PC based LAN system. Utilized a structured methodology to develop an Information Strategic Plan to achieve a complete hardware and software conversion to FoxPro 2.6 with extensive additional functionality. Hired and supervised a Systems Programmer with Novell Netware experience to assist in the conversion and development of the new system. Managed all areas of the system life cycle.

Accomplishments:

- Designed, developed, and implemented a relational database structure from a previous flat file structure
- Developed data entry screens, programs, and reports for user input of student information and grades, daily shipping operations, monthly invoicing, financial analysis, and ad-hoc reporting.
- Performed all testing, documented entire system, and trained end-users
- Increased direct revenues from \$5,000/month to \$25,000/month

PRIOR ENGAGEMENTS

American Cancer Society – National Data Center, Austin, TX **1989 – 1994**

Roles: Project Leader/ Lead Test Mgr.

Texas Dept. of Health, Austin, TX **1985 – 1989**

Roles: Project Leader/ Programmer Analyst

Defense Mapping Agency – Aerospace Center, St. Louis, MO **1981 – 1984**

Roles: Programmer Analyst (Secret Clearance)