

Kristyne McDaniel

Objective:

Custom Software Development Services for Business and Engineering. Independent software developer specializing in file/server and client/server data-intensive applications using Visual FoxPro. Corporation-to-Corporation contractual work assignments preferred.

Summary:

Senior level software developer with more than 20 years experience in the development of software for business and engineering applications. Knowledge of Object-Oriented Programming (OOP) using Visual FoxPro. Expertise over the full software life cycle cross-platform, multi-user software for Windows and Macintosh computers. Author of articles in various trade magazines and newsletters about cross-platform development, presenter at Southern California user groups, and co-author of a reference book on VMS DCL programming for the DEC VAX.

US Citizen born in Minnesota, previously held a security clearance.

Positions Held:

EDS – Warranty Services	Software Engineer	2004-Present
McStyles Software	Principal Consultant	1992-Present
Science Applications International Corp (SAIC)	Member of the Technical Staff - Programmer	1989-1991
General Dynamics Data Systems Division	Software Engineer	1988-1989
General Dynamics Space Systems Division	Mechanical Engineer	1984-1988
FMC Corporation Northern Ordnance Division	Engineering Technician	1981-1983

Education, Training, and Certifications:

Bachelor of Mechanical Engineering (BME)	University of Minnesota	1984
Associate in the Arts (AA) (Business and Liberal Arts)	North Hennepin Community College	1983
Coursework in Business and Computer Science	UCSD and SDSU	1984-1994
Microsoft Certified Professional	VFP6 Desktop/Distributed, VFP3	1998-2000
Visual FoxPro Developer's Conferences	DevCon - Microsoft and Advisor Publications Essential Fox - Vision Data Solutions .NET for VFP Developers Various C# and Web training as available Other local conferences and seminars	Attended every national DevCon from 1996-2001, 2004, 2005

Programming Languages and Tools:

Visual FoxPro (VFP), FoxPro (FPW/FPM/FPD), SQL Server, C, C++, C#, ASP, XML/XSLT, FORTRAN

Operating Systems:

Windows (WinXP, Win2K, WinNT, Win95/98, Win3.1), Macintosh, DOS, UNIX, VMS

Professional Experience:

EDS – Warranty Services

- Software development in support of the Toshiba Warranty Services project. Project includes retrofitting professional error handling into legacy software, revisions to production web DLLs to improve reliability, troubleshooting of existing systems to increase availability, additions to systems to enhance capabilities.
- Resolved issues between ODBC and OLE DB drivers and existing VFP DLLs which had prevented proper updates and produced cursor engine failures.
- Enabled upgrades from VFP3 to VFP6 and again to VFP8. Migrated web platforms from NT Server to Win2K and then to Win2003.

McStyles Software, LLC

Custom Software development for various clients hosted on Windows and Macintosh. Visual FoxPro and FoxPro applications; Dynamic Link Libraries (DLLs) in C/C++; West Wind Web Connection, XML. Client/Server using SQL Server. Recent client projects include:

Benefits Administration Software Company

Spearheaded initial efforts to rewrite a successful Clipper Summer '87 application in Visual FoxPro for this company. Software handles Section 125 Flexible Spending Account management tasks, package is offered for resale, supports companies as large as the Fortune 5, written in VFP6 & VFP7. Wrote custom framework based loosely on VFP Codebook, additional features inspired by Visual MaxFrame, Mere Mortals, and Visual FoxExpress. Additional features include tools to update data structures at installed sites on the fly, several ActiveX controls to do things such as display media files, zip/unzip files, and display highly customizable grids. Designed and implemented robust configurable data import module, flexible rate tables tool allowing customers to add custom calculations on the fly, configurable support for various code tables, many complex accounting calculations across multiple companies and employers. Included support for third party Visual FoxPro tools such as Stonefield Database Toolkit, Stonefield Query, and FoxAudit.

Medical Services Software Company

Medical records module for vertical market application product targeted at pharmacies providing home infusion services. Written in VFP6.

Point of Sale (POS) Software Company

Enhanced Multi-Store Consolidation Module for commercial sale to interpret and report on data from a Point of Sale (POS) system, created interface to custom reporting module using Foxfire!

Asset Management Software Company

Built a robust, customizable import module for a Property Tax Management System

Major Publishing Companies (three different publishing companies)

Converted a Nutritional Software package from Windows to Macintosh, written in a specialized backwards-compatible version of the Codebook for Mere Mortals Framework which was adapted for

VFP3 so it could run on either Windows or Macintosh machines. It was written for VFP5 and converted backwards to VFP3 for that purpose.

Converted another unrelated Nutritional Software package for a different publisher, which was to run on both Win/Mac machines. This version was written in FoxPro 2.6 for Win/Mac.

Built a custom Offer Fulfillment Tracking System whose purpose was to track free books sent to reviewers.

Manufacturing Software Company

Created two accounting links using VFP 5. The first used an ODBC driver to link with the Real World accounting package, and the second used a DLL to link to the bTrieve database for AccPac.

Sales Company

Developed custom cross-platform (Win/Mac) contact management application

Mortgage Company

Queries and custom reports using VFP5 against a SQL Server back end.

Web Site Submission Software Company

Created the base version of the www.SitePromoter application. This application was Win/Mac compatible, flexible, featured modules to add capability as needed, and included a table-based instruction set that allowed changes to be made as various search engines changed their requirements and capabilities. Its primary function was to organize and build HTML code and meta tags as required for submission to a flexible set of search engines. This was done in the days before XML with FoxPro 2.6 for Windows and Macintosh.

Law Office

Designed a cross-platform (Win/Mac), bilingual legal time & billing application for a law firm having both English and Spanish speaking clients and employees. All reports and forms displayed in either language. The language could be specified by the user at runtime, and each client record was tagged with the language that invoices and other records to use for that particular client.

In-House Software

Bug reporting system; error reporting system for inclusion in client applications; Web site development. Used technologies such as FrontPage, JavaScript, XML, West Wind Web Connection, and basic forms processing.

Science Applications International Corporation - SAIC

- Windows/Mac/DOS cross-compiler support applications; wrote linker/librarian in support of an artificial neural network accelerator board, Unix/Ingres software development to track B1-Bomber maintenance

General Dynamics Data Systems

- Simulation software for submarine target acquisition, reduce aircraft radar cross-section, Fortran to OCCAM translator

General Dynamics Space Systems

- Primary responsibility for software supporting Hybrid BiStatic Radar targeting simulations
- Engineering lead for preliminary design of satellite power systems for static and dynamic thermal energy supporting the Strategic Defense Initiative (SDI)
- Software design and analysis in support of ballistic missile battle engagement simulations

FMC Corporation

- Market analysis and proposal writing for New Business Development Army Marketing

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