

Tim Francis

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20yrs Experience

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Experience

Aug-2014- Current Custom Software Design Global, LLC
Woodstock, Georgia

MP / Sr. software Engineer / Architect

- Solutions Provider using Foundation 5, Entity Framework, LINQ, C#, ASP.NET, Web API, MVC, Lucene .net, MS SQL, handlebars.js, angular.js, jQuery . Full MS BI Stack.

Jan/2013- Aug-2014 Infor Atlanta, Georgia

Consulting Sr. software Engineer / Architect

- Design and architect custom UI for "Social Graph". A Business Objects relationship search Graph engine.
- Architect pure HTML jQuery Workflow diagram for workflow visualization with Zoom and Drag capabilities.
- Entity Framework, LINQ, C#, ASP.NET, Web API, MVC, Lucene .net, MS SQL, handlebars.js, angular.js, jQuery .
- Front and Backend development.

2008- 2012 Custom Software Design Group, LLC Morristown, Tennessee

CTO

- 50% owner of this firm.
- Directly responsible for all development for clients including: Verizon, Erwin-Penland, Inglett & Stubbs International, and more.
- Senior-level programming in team driven environment in C#, VB.NET, MS SQL, SSRS Reporting, Ajax, Telerik Control Implementations, Entity Framework, Linq to SQL, Silverlight, Multithreading with ASP.NET and desktop applications, off-site synchronization technology for remote access clients, complete custom UI development for desktop applications, dynamic inline CMS technologies, MVC technologies, web service technologies such as SOAP and REST APIs, Amazon Services, Google APIs and more
- Projects included
- complete Logistics application (custom pallet shipping for freight overseas)
- Job tracking and forecasting including expense tracking of assets and labor which reported to accounting and profitability
- Accounting and Payroll applications including all types of compensation calculations.
- Custom document management and storage using MS SQL as storage device for all file objects with optional local file store on drive.
- Custom application built for tracking digital assets and managing the approval of use for large marketing firm.
- Commercial client websites, Marketing Portal Applications, E-Commerce applications with many merchant processing integrations, Point of Sale Applications, Custom Printing engines, Active Directory and OAuth authentication, Asset Management, Physician scheduling, Medical document and code translation and more
- Many application that supported internal users from (1 – 5,000) + with daily job based use.

June, 2001- 2008

AT&T

Atlanta, Georgia

Consulting Systems Architect and Applications Development

- Lead Software Architect / Development / DBA
- Architect a Fully Dynamic quoting tool for all inbound and outbound sales reps. Allows real-time quoting and proposal generation for key product lines.
- Architect New Reporting engine using ASP.NET.
- Architect New ASP.NET Business portal for Multi Channel collaboration.
- Converting existing VB 6 / ASP Apps to new VB.NET Architecture.
- Contract Lead Intranet Software Developer for BellSouth Small Business in Atlanta, Georgia
- Architect Document management system for Contract storage and retrieval for BellSouth Small/Large and ADSL Businesses, which will move to a paperless organization.
- Research and development of a Fully Dynamic and Customized reporting engine in ASP and DHTML to allow reports to be META created and run in real time against SQL 7/ 2000 Database. Fully developed and tested a new ASP Class architecture for creating and developing new Web GUI's. This architecture cut development time down 40% over the Existing commands for Interdev and Classic ASP development.
- Design Custom SSIS packages for Oracle and SQL integration.
- MS SQL DBA and SQL Programmer for data warehouse.
- Monitor and maintain production Windows Servers, IIS and MS SQL servers.

March, 2000-June, 2001

BellSouth

Atlanta, Georgia

Consulting Lead Software Engineer

- 3 Tier Intranet Web Developer for 3COM Sales/Marketing division with ASP, JavaScript, VBScript, SQL Server 7, COM/DCOM. Part of development team for a Sales and Marketing project Management system to report milestones, service arrangements, and projected revenue for 3COM in Atlanta, Georgia.
- Developed Word Document Generator for Marketing Team for real time Contract Management allowing multiple teams to coordinate specialized contracts for new clients with the ability to sign off as well as check in and out Documents from the intranet speeding up sales and research for 3COM in Atlanta, Georgia.
- This system used custom and dynamic code to be placed into word files which allowed revisions to be tracked and compared.
- Contract Lead Intranet Web Developer and MS SQL 7 DBA creating a engineering database to research and track the progress and availability of ADSL to customers for BellSouth ADSL in Atlanta, Georgia
- Full design and architecting application and database for BellSouth ADSL Intranet.
- Debug Current VB applications using MAPI extensions for e-mail deployment parsing deploying data to Unix/Oracle systems in a flat file transfer.
- Management of SQL server, IIS, existing customized software package and continuing development at BellSouth ADSL division in Atlanta. Including full design and implementation of solutions
- Monitor and maintain production NT 4 IIS and MS SQL servers for optimizations.

December, 1999-March, 2000 Maxim Group / All Meds / JBF and Associates Knoxville, TN

Consulting Lead Software Engineer

- Maxim Group contractual Visual Basic Programmer and Development consultant.
- Work on XML parser for data compatibility in medical industry. This was before open XML parsing.
- Visual Basic 6.0 and ADO, DAO database structure with Jet Engine and SQL Server 7.
 - Working with full development team in creating “Shrink-wrapped” software for “Hazard Review/Risk Analysts and reporting”.
 - Working with full development team in creating “One Source Paperless Solution” for specialized medical practices.
- Creation of ActiveX Controls and DLL's.
 - Developed DLL to read all keyboard input and suggest words or automatically complete words stored in a local database (Now known as intellisense). Also searches for shorthand text and replaces with full string. Can be used in any text “input control” by adding one set object in GOTFOCUS event.
 - Developed DLL for use as a replacement to the MS common dialog. This DLL gives the functionality of the MS word open dialog such as file preview and recent files stored in the system registry. As well as full windows 9x aesthetics.
 - Developed a “tip popup” window such as the “MS tip” without the 255 char length limit and multi-line support. This control can “popup” in many different formats without affecting the user interface as well as many different display effects.

November, 1997-, December 1999 Philips Consumer Electronics Jefferson City, Tennessee

Level Two Computer Technician / Software Development

- Supervision of 9 Level One Computer Technicians including schedule adherence, training and curriculum development
- Established Philips Computer Support laboratory for third-party computer support and diagnostics, Philips peripheral device development and hands-on trouble-shooting of computers, computer peripherals, computer software and networked computer systems/operating systems
- Taking escalated “Level Two” technical support calls and documenting related product support issues for assimilation to “Level One” support group and liaison to on site engineer team.
- Designing, writing and debugging the following applications:
 - Visual Basic database application for tracking return authorizations of computer peripheral devices and inventory maintenance system for “SCUBA” product
 - Access and Visual Basic Database application utilized to track product inventory and return authorizations for Philips' Computer Peripheral Devices, including project flow documentation and writing Access and Visual Basic code; reports generated to the specifications of executive management
 - Visual Basic Database for Philips Priority On-site Warranty. Service information database for researching local area services according to Zip code and serviceable products
 - Visual Basic and Access Database for Philips Priority On-site Warranty for use in customer service tracking and report generation for customer service group to the specifications of executive management

August, 1997-November, 1997 Philips Consumer Electronics Jefferson City, Tennessee

Level One Computer Technician

- Designing, writing and debugging the following applications:
 - Online documentation (conversion from scanned images to HTML) in proprietary CTI application (written in SQL and Visual Basic)
 - Web-site for Philips Professional Solutions (Product Information, Download FTP site of drivers, FAQ's)
- Built custom scripts for screen scraping mainframe system to create customer lists for warranty upgrades and sales.
- Answering inbound "Level One" technical support calls on third-party desktop computer systems, computer software, networked computer systems and Philips computer peripheral devices

Independent Contractual Experience

1993-present Private Contracts and Development

- **Client / Server TCP/IP Class using events in .NET.**
Using "System.Net.Sockets" Created a Client /Server App with Events using .NET native Architecture. Using .NET Native encryption to handle security.
- **3D CarPC Media Software**
Using TrueVision 3D Engine with DirectX 9.x working on 3D environment for vivid multi media experience.
- **3D Game/GUI Engine Conversion to .NET**
DirectX 9.x Engine for use as a GUI and Game environment using Visual Basic and C++ work in. Currently part of MS Beta team on DirectX 9.
- **3D Game/GUI Engine**
DirectX 8.x Engine for use as a GUI and Game environment using Visual Basic and C++
- **Client / Server File Sharing Engine with 128bit encryption**
For transferring files and information over TCP/IP connections using Visual Basic, Public and Private keys using RSA with Dynamic Salt, using WinSock
- **ISO 7816 SmartCard Development Data Storage**
Research and developed SmartCard data storage for personal access and security.
- **NOVA (now known as "Elevan") INFORMATIONS SYSTEMS**
Completed report processing program for employee time evaluations using Visual Basic
- **SURF SIDE**
Working on Visual Basic and SQL database for business infrastructure. Project used for Point of sale, inventory, sales tracking, employee management, employee scheduling, sales reporting and customer mailing and information.
- **AUDIO CONCEPTS**
Point of sale software with Visual Basic front-end & ODBC Access database for daily business activity (inventory and sales tracking).
- **Salon Nouveau**
Point of sale software with Visual Basic front-end & ODBC Access database for daily business activity (inventory and sales tracking).

Education

1990-1992 Walters State Community College, Morristown, Tennessee

- Major: Computer Science
Education completed conjunctively with full time work schedule
- Courses completed included: Business programming with COBOL, File processing with COBOL, Database Management, Assembly Language, Structured Programming with PASCAL, Q Basic and Elementary Logic.