

Thang Van Ung
 Chicago, Illinois 60614
 504.975.0260. 773.525.6962
tvung@portalcron.com

Programming Languages

[Visual C++](#), C#, Web Service/API, Atom Feed, XSL-FO, [SQL](#), T-SQL, PL-SQL, SQL CLR, Visual Basic (V3-V6), Vbscript/Javascript, Access Basic, Cgi/Perl/Php, Java, Html, Ansi C, C++ (API), COM, Foxpro V2.6-3.0, Pascal

Technologies

Windows NT/2005/XP, ASP.NET, Oracle, SQL Server 2005, Sql Server Reporting Services, Crystal Reports, TCP/IP, MySQL, Unix/Linux

Work Experience

August 2007 -
 January 2010

Senior Developer, **Morningstar, Inc**
 Advisor Unit, Business Process Outsourcing (BPO)
 22 West Washington Street
 Chicago, IL 60602

- Initially worked on the Principia™, a desktop portfolio planner and FINRA approved reporting application, team. Created new modules for Principia™ using Visual Studio C++. Tasked to merge newly acquired software, Portfolio Strategist, from Ibbotson into Principia as a value-added feature to Principia current subscribers as well as merging Ibbotson Portfolio Strategist's subscribers onto Morningstar desktop product. Successfully implemented import interface for Principia application, using Portfolio Strategist's output files to import asset allocation data into Principia. Lead on creating new module to handle Exchange-Traded Funds (ETF). Extended existing Closed-End reports that were XSL-FO based onto the ETF module. Simplified large list loading technique by creating a multi-threaded wrapper for the common list control in place of legacy in-house software. The wrapper control saved excessive time required to customize the "inextendable" legacy control.
- Selected as a member on a new team for starting Morningstar's first asset management product due to my prior development with hedge fund administration product. Successfully designed, negotiated business rules, and implemented enterprise scale asset administrative (Data Hub™), a back office product, data implementation under MS SQL 2005. Architected a framework for clients customizations that are table driven for the back office product. Introduced SQL CLR functions for multiple file formats processing and cross-server execution. SQL CLR powered the SQL processes with regular expressions that established a "common language" for building flexible system of client customizations and import routines. Implemented web feed from SQL Server 2005. All customizations are imbedded within SQL Server environment that allowed the development of the C# (frontend) web service to be a "thin" re-usable/generic construct.
- Created solution to synchronize sql servers' infrastructure, schemas and procedures, across quality control, unit acceptance, and production databases for BPO back office product.

January 2006 -
 August 2007

Staff Developer, **Spectrum Global Fund Administration**
 33 West Monroe Street, Suite 1000
 Chicago, IL 60603

- Created User Interface and classes on VB6 and ASP.Net (C#) for the primary product Virtual Back Office (VBO), a Fund administration system that serviced portfolio, financial, and partnership accounting. The system is an integrated trade transaction, position valuation, and reporting software servicing hedge funds of various sizes.
- Managed and created SQL Server Stored Procedures for VBO.
- Built reports on Crystal (v8.5 & v11) and Reporting Service (MS SQL 2005).
- Acquired Financials (Hedge Fund administration) knowledge from support duties of VBO.

November 2001 -
 January 2006

Freelance Software Developer, **Self-employment**

Baxter Health

- Contracted to design, implement, and deliver a tracking and reporting system for medical product corrective actions (e.g., recalls, adjustments, etc.). The application and COMs I implemented in VB6 is driven by a database that I architected on Oracle 9i (rev9.2.0.5) platform. Integrated reports were developed in DHTML and XML. The software was successfully delivered within five months, including two months of beta use.

TFG

- Contracted to design and implement a claims system using SQL Server 2000 back-end and front-end using Visual C++, DHTML, and Visual Basic (v6). Some middle-ware were created were (Safe) ATL COMs and NT Services.
- Created several interoffice projects with MS Access 2000 back-end.
- Created Web application with SQL Server back-end for internal reporting.

	<p>Rick Perez (NEWSTRAN.COM)</p> <ul style="list-style-type: none"> • Created data conversion/extraction into formatted web pages using template with Visual C++. • Customized search (ICE) engine with perl front-end.
	<p>ROC Solutions (Co-partnership)</p> <ul style="list-style-type: none"> • Created (multi-threaded) Java Applets which include image and mp3 audio manipulation and synchronization. • Create applet for displaying scrolling lists.
	<p>Independent Projects</p> <ul style="list-style-type: none"> • Develop PortalCron™, a client/server software in C++, to remotely schedule data conversion software. Software is a work in progress. • Developed KafeCron™, a C++ client/server software, to manage internet cafe billing. The server controls the default billing, real-time monitors the status of connected stations, and prints out a receipt when the user session ends. Software is currently in beta use.
April 2001 – November 2001	<p>Senior Software Engineer, Delta Security Technology Stennis Space Center, MS 39529</p> <p>Created API-based ActiveX container and dispatcher classes for non- MFC applications.</p> <p>Developed smart card (ISO-7816) applications for multi-domain secured systems. The smart card utility was written in VB6. RS-232 was the communication port.</p>
August 2000 – April 2001	<p>Application-Programmer, System Creations, Inc Metairie, LA 70001</p> <p>Created software in Visual C++/MFC for NT applications, NT services, COM, and Windows CE; and Dynamic C for EEPROM on controller cards.</p> <p>Worked on TCP/IP and RS-232 communications to integrate discrete software-hardware for Audio/Video system on VIP 747 jets.</p>
March 1995 – August 2000	<p>Application-Programmer, g.c.r. & associates, inc. New Orleans, LA 70122</p> <p>X-base/FoxPro 2.6: Coded and designed tables for Aviation Information Management System (AIMS). The system was a financial management consisted of data entry forms, data calculation, charting, and reporting functionalities..</p> <p>VB4.5: Upgraded the AIMS to a non-serial GUI, Access 2.0 data store, and Crystal 7 reports.</p> <p>Access97: Consolidated the AIMS into a database environment. Created a series of SQL boilerplate to import data from older version of AIMS and FAA's 5010 data structure.</p> <p>VB6.0: Created a customized composite OCX from GeoMedia component system for loading various GIS data into a centralized interface. Lead programmer for Window Chemistry Data Management System (WinCDMS).</p> <p>VB Script: Modularized scripts parsing disparate data source for import into WinCDMS. Coded client DHTML and ASP to import and interact with SQL Server via ADO.</p> <p>ASP/Javascript: Created data entry and import pages to SQL Server.</p> <p>C++: Wrote 16-bit API libraries as enhancements to VB and Access. The encapsulation handled data manipulation, extended COMs' functionality, provided hook functions for processing forms' data loading, tracking and saving user input. Upgraded to 32-bit with the addition of a mathematical expression evaluator to do ad-hoc calculations from disparate data within a database syste. Customized type-library (TLB) to coordinate data transition and house constants and structs (user defined types). Created 2 ATL COMs (non-visual) -- extensions of the collection object and the log object.</p> <p>SQL Server (v6.5 & v7): Designed and maintained via SQL Server Enterprise.</p> <p>Unix: Administered Sun Solaris v3 on GIS projects.</p>

Education

May 1994

Degree: **Bachelor of Science**
Major: **Computer Science**
Minor: **Psychology**
Courses: **Object Oriented Programming (C++ / ObjectiveC)**
Artificial Intelligence
Operating System
Database System

University of New Orleans

New Orleans, Louisiana 70148