



Since 1995 TorqueWare, Inc. has specialized in developing complete customized software applications and solutions for Windows and Web platforms. We are seasoned software engineers, with in-depth experience creating software for both business and real-time industrial applications.

- Visual Basic Client/Server Application development
- Web ASP programming
- Data input and management (ADO, ODBC, Access, SQL Server)
- Report and Graph Generation (Crystal Reports)
- Industrial Analog/Digital Data Acquisition & Control software
- Vertical Market Software of any kind
- Excellent combination of technical and communication skills

We also offer our flagship product [Personal Property Pro](#) to businesses as well as CPA and Accounting firms to help automate their County Business Personal Property renditions. Personal Property Pro generates renditions for all counties in Oklahoma, Texas and Florida.

For your application and software development needs, please consider us as your source.

Sincerely,

Doug Torkelson

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<http://www.personalpropertypro.com>

Application Development Experience -----

TorqueWare, Inc. - President, Software Engineer/Programmer/Consultant **Oct 1995-Present**

Personal Property Pro (www.personalpropertypro.com): Our flagship product sold to businesses, Tax Agents, CPA and Accounting firms to help automate their County Business Personal Property renditions. Especially useful to businesses that file multiple returns each year (franchises or multiple locations etc). Does returns for all counties in Oklahoma, Texas and Florida.

Various Application Development Contract Services Provided -----

Willbros Group, Inc [includes work done for **Cust-O-Fab** and **InServe**] (2005 to present):

Various Visual Basic, MS-Access and SQL Server projects

- Developed a program that runs six interfaces between JD Edwards and SL Dynamics software.
- WatchDog - Helped with various aspects of this project.
- Report System - Helped with various aspects of this project.
- HR program - Developed large portions of this project. Involves five SL SQL databases.
- HR Recruit program - Wrote numerous parts of this project. Involves five SL SQL databases.
- Big Red - Developed a program that merges two sets of JDE data for merger into Big Red.
- WinHeat Suite - Converted nine 32bit VB applications to get them to run on 64bit machines.
- Knowledgeable of the Payroll Script process and other miscellaneous projects.

City of Tulsa (2001-2006): Various projects for the Tulsa Fire Department; Overtime program, Building Survey Program, BudgetWare:

BudgetWare: Comprehensive Visual Basic/Access/SQL Server application used by several departments within the City Of Tulsa. 'Planning' side of the software is used for planning expenditures; breaking down line items by Department, Fund, Account, Sub-Account, Division and Cost Center/Project. Budget side of the software creates requests, purchase orders, etc. Application uploads budget requests directly into City's mainframe system. Numerous reports and other features.

LPG Central (2000-2002): VB/Access system that provides worldwide tank-level monitoring for the propane and other tank-intensive industries. Program uses internet protocols to retrieve tank statuses on a daily basis. Software monitors critical tank levels and manipulates, creates and prints Microsoft MapPoint maps that generate the routes (with directions) needed to fill tanks that are low. Also developed the "data collection" modules using VB and SQL 7.0

Developed several hand-held applications with Serial Port connectivity for this Client in addition to a Visual Basic application that used Microsoft MapPoint Objects.

AFG (2000-2001): Complex VB/Access system that provides payday advances nationwide via the internet. Program allows complete customer data entry and verification, creates and verifies **ACH** file(s) (Automatic Clearing House) for automatic bank account debiting and crediting. Automatically generates and sends hundreds of "status" emails in batch mode every day. Many executive, summary and detailed Crystal Reports. Exports data to a separate accounting system. Etc.

Galaxy Star Systems (2000): VB/Access program called "Check-Mate Draft Server" for an Internet Service Provider. Program automatically imports a comma-delimited file containing billing information from another ISP system ("ISP Power"), creates checks with accurate MICR codes and prints them via Crystal Reports. Used for customers that pay for services via "Automatic Bank Draft".

Occidental Petroleum Corporation (1999-2000): Helped convert their DOS-based, in-house corporate tax system to a 32-bit Windows platform. Converted over 200 programs written in QBasic 3.0 to Visual Basic. Several enhancements were added to the programs.

OMNI Air International (1999-2003): Extensive VB/Access system for airline company that logs, tracks and prints:

- Flight Times
- Pilot and Flight Attendant training
- Manuals (revisions and distribution)
- Flight Closeouts
- Company and Contact information
- Employee information
- Drug Testing, etc.

Manageable Security Solutions (1998): Created a "developer's tool" that is used by consultants who implement SAP software for large organizations, in particular the "SAP Security" issues. This interactive VB program manipulates a large Access Database via SQL code.

The Stranded Gas Association (1997): Developed a real-time Visual Basic project that completely controls small, mobile co-generation plants. Several engines burn natural gas and spin generators to create electricity that is sold to the electric company. By reading and writing to **digital** and **analog data acquisition cards** within the PC, the Visual Basic application controls the entire system.

- Scheduling (starting and stop each engine, based on 24-hour notice of electric rates)
- Maintaining speeds (RPM monitoring and/or AMPERAGE monitoring)
- Adding oil as needed automatically
- Checking various measurements and making adjustments (air/fuel ratio, water temperature and level, air temperature, electric current generated, gas pressure, etc.)
- Several other real-time "Expert System" calculations and adjustments as the data changes.
- Logging events to disk for historical review and analysis.
- Dialing the Dispatch center to report progress, any errors, and to receive instructions.

Key Computer Systems (1995-1996): A lead programmer converting a large DOS application for the optical industry to Win95. The software communicates with a hardware device that traces the inside edge of a frame, measuring and calculating 512 points. After the Optometrist enters the eye examination results into the program, the program dials into an Optical Lab and transmits all of the information including the trace results, resulting in expedited and extremely accurate lens. Modules I was responsible for are:

- System Utilities: Password, Database maintenance, User-Buyer-Vendor maintenance
- Trace Operation: Tracing the frame and displaying the shape and results on the screen
- System Help: Complete online help
- RS232 comm.: Device drivers for Optical Lab industry equipment that creates the lens
- Troubleshooting: Helped debug and finish out many other parts of the system
- 16 and 32 bit: Modified system to compile for both 16 and 32 bit operating systems

Application Development Employment: -----

Tax & Accounting Software Corp. (Oct 1998 - Oct 1995) - Programmer/Systems Analyst

Programs designed and/or developed for in-house use and/or for sale:

- Computer/Telephony program, fax on demand, etc. (added late in the project)
- 1040 Federal Income Tax software package (130,000 lines of code)
- 1040 State Income Tax software packages for 7 states
- Programming "generator tool" used to automate and facilitate creation of the 1040 Tax System as well as all 42 STATE tax packages that tied in to the federal system.
- Electronic Transmission Program for 1040 Tax System
- Business Tax software package for California
- Payroll System calculations
- Information Return System (W2s, 1099s, etc.)

Software Experience -----

Operating Systems

Skill Level

• DOS 6.22	• Major
• Win95/98/XP/Win7	• Major
• Win2000/NT	• Major

Development

Skill Level

• Visual Basic 6.0	• Major
• Visual Basic .NET	• Minor
• ASP	• Moderate
• SQL Server	• Minor
• MS-Access	• Moderate
• Crystal Reports 10.0	• Major
• MS FrontPage 2003	• Major
• PDS 7.1 [Basic]	• Major
• DBase IV	• Minor
• C	• Minor

Windows Applications

• Adobe Illustrator	• Adobe PhotoShop
• Adobe PageMaker	• Office 2003
• Quicken	• Quickbooks Pro
• PcAnywhere	• ...several others...

Special Achievements -----

- Taught **Advanced Visual Basic** at Tulsa Community College
- Designed and developed an internet-related data communications program that saved CompuServe users valuable on-line connect-time charges.
- Designed and developed a tax system saving a company over \$400,000 per year. The ongoing success of this is a set of system automation tools I created.
- Had an article published in BasicPro magazine (now called Visual Basic Programmer's Journal) about a library of assembler routines I co-wrote that provides programmers accessibility to Novell Network functions.

Education -----

Tulsa Community College, May '96 - AA in Computer Science/Programming with honors. (4.0)
Rhema Bible College, May '81 with honors. (4.0)