

Scott E. Buchanan

About Scott E. Buchanan

I am available for application design and development, as well as consultation to implement software development best practices regarding source control process and the Microsoft Solution Framework (MSF), which provides guidance in the various phases of a project's life cycle.

I have a record of accomplishment – delivering projects that bridge multiple technologies for the federal government, Fortune 1000 and smaller firms.

I have consistently earned the respect of managers and team members with these core skills:

- Duplication of client's specifications and intentions
- Debugging technical and staff issues; with an ability to identify the actual causes of problems and thus resolve them
- Learning and applying new material very quickly
- Training others effectively

Computers have always fascinated me. I purchased my first computer over 30 years ago, and have been bending them to my will ever since. As an early adopter of fourth-generation programming languages, I ran a local user group for nine years. I have delivered numerous training sessions as new technology was introduced. My technical expertise has led to numerous speaking engagements at developer conferences in North and South America, Europe, and South Korea.

Employment and Software Project History

2008 – Present President

Buchanan TechWorks Corporation

An opportunity to work with an old friend led me to launch my own company again.

Additionally, I am currently engaged in development projects for:

- Frank Cohen Group – Manage data for litigation support. Mr. Cohen is retained by several law firms as an analyst and receives billions of rows of text data to analyze. I have created 9 SQL Server databases and SSIS packages to import this data, written countless procedures to calculate statistics on the data and report the results, and employed Analysis Services for data mining.
- Complete Medical Solutions – Migrate a WinForms application to Azure. This project uses SQL Azure and several Azure roles for a user-facing application and an administrative application to manage users. I am actively involved in the design and development, while managing a team of two other developers.
- Frank Cohen Group – Manage/extend business web site in DotNetNuke 6.x

And have completed projects for :

- American Medical Association – ASP.NET application providing analytical tools to medical practices. I worked with the client to produce functional specifications, wrote the technical designs, designed the SQL Server database and developed most of the objects whilst managing a team of 5 developers to create both a user-facing application and an administrative application for managing the benchmark data (primarily using SSIS).

- Frank Cohen Group – Designed and developed a suite of focused tools for medical practices that are sold through several distribution channels, including the federal government via NTIS. I worked with Mr. Cohen to create the functional specs and the developed these applications in Clarion, often in less than a month.

2004 – 2008

Hyphen Solutions, Ltd.

2007 – 2008

Hyphen Solutions, Ltd.

Solutions Architect

This position was a great opportunity to return to a recognized technical role. However, in addition to technical design and overall application guidance, I managed the efforts of two contract development teams – one in the US and one in India. These teams delivered significant new functionality: the migration of all reports to Microsoft's SQL Server Reporting Services and an inspections module that is available on the web, TabletPC, and PocketPC. I provided technical guidance for both projects and operated as the primary contact for these teams.

I selected and implemented new source control tools as well as developed documentation for the complete life cycle from idea to deployment based on MSF.

2004 – 2006

Hyphen Solutions, Ltd.

Director of Development

I managed a team of nine developers working on a classic ASP application for the home building industry. Although there was a great deal of tracking and reporting to do for the executive team, I spent substantial time designing the new components of this application: a re-write of our integration engine, an application to allow suppliers to bid on work published by builders, and an offline TabletPC edition of the job scheduler.

2003

Scott Buchanan Consulting

Proprietor

I returned to self-employment, obtaining contracts and delivering projects for:

- RealPage – PocketPC work order application
- Equity Residential – Created system-wide management reports for the distributed property management system that I had managed in 1997 – 1998. This was achieved through the export files from the communities that were processed via DTS into SQL Server with the Crystal Reports 8 web platform.
- Hyphen Solutions – Review of development/promotion process. Implemented new version control system and improved the workflow between analysts, developers and testers.

2002 – 2003

RealPage, Inc.

Director

I managed multiple teams of analysts and developers assigned to various products targeted for the multi-family industry. I was also the development representative during extensive work with clients to create product specifications and design.

- Invested several hundred hours with major clients to define the system requirements of the product they wished to have. I produced a gap analysis of the current product and the design documents for the next release (3.x) of the flagship product: OneSite Leasing & Rents.
- Team Development – In addition to the administrative tasks of managing the staff on several products, I was able to introduce the MSF. I coached one group through fully implementing the Team Model, and initiated setup in two other groups.

1995 – 2002

User Technology Associates, Inc.

1999 – 2002

UTA Software Centre [Tampa, FL]

Director

Established and managed a team of fifteen developers and project managers engaged in a variety of projects. My primary functions were working with the client to create specifications and application architecture, training my staff, quality assurance (code inspection and team review), and process improvement. Notable projects include:

- US Department of Transportation – Financial Statements module. I was able to deliver a Windows release in six weeks that downloaded G/L data, provided forms for journal entries and maintenance of 12 tables, and provided 17 reports. Due to its initial success, this Clarion project was funded for over one million dollars. I fully designed this system and managed the four-developer team.
- Tampa International Airport – Employee parking system. This re-platform from DOS to Windows was a Y2K project brought to us in October 1999 consisting of basic cash and inventory management with interfaces to smart card reader and gate controller. Our Clarion system was in production within four weeks.

1997 – 1998

UTA Software Centre [Tampa, FL]

Operations Manager

Managed five UTA programmers working on site at Equity Residential Properties, developing a property management system (Wiz). Working with the client and consultants, I designed the database and application architecture to fulfill the client provided specification. I also materially participated in the coding of this suite of Clarion applications. Wiz was the most successful software project Equity had undertaken, and once completed, was deployed to over 700 apartment communities within one year.

1995 – 1996

UTA Business Systems [Arlington, VA]

Manager of Software Development

Designed, managed and acted as lead engineer in the development of a Point of Sale system in Clarion that was deployed to several hundred Little Caesar's Pizza restaurants. This comprehensive package included:

- Sales, inventory and payroll, with integration to Great Plains accounting
- Communications with central office for downloading menu and other changes as well as uploading sales, payroll, and food costs, etc.
- Generated scheduling and food orders based on projections
- Add-ons included touch-screen kiosk, pager integration, etc.

1992 – 1995

Revenue Solutions, Inc.

President

Managed a team of 4 developers engaged in a variety of projects. My primary functions were business development, database and application design, and quality assurance. Major projects included:

- Full suite of Clarion applications for Montgomery Tank Lines, a national bulk-trucking firm with over 40 terminals. Working with their MIS staff, we developed dispatch, tracking, billing and A/R, fuel tax reporting and other core applications. I sold and installed their Novell network and built over 250 computers for their various locations.
- I designed and marketed Clarion templates for Lotus cc:Mail using the Lotus APIs.
- Designed and co-developed TeamLink, an interface to PVCS Version Manager for Clarion. This was bundled with the enterprise edition of Clarion for several years.

1988 – 1992

Scott Buchanan Consulting

Proprietor

Performed PC upgrades and repairs, and networking services as a computer consultant and reseller of custom-built PCs. I developed custom software applications in Clarion for the following businesses:

- Retail Firearms: Sales and Inventory tracking
- Nursing Home: Complete accounting system – Admissions & Discharge, Inventory A/R, A/P, G/L and electronic submissions to Medicare.

During these years, I read voraciously and took specialized instruction to deliver the products desired. By the end of this set of jobs, I was very confident in my abilities and had amassed a useful library of code. I went on to sell this accounting system to several plastics/metal product-engineering firms.

B.C. (Before Computers)

I have over eight years' management experience in the pizza restaurant industry. I have managed stores for Pizza Hut, Domino's and Sbarro's. I was responsible for personnel, store sales, cost control, product quality, and profit.

I was part of a two-person team that opened several new stores for Sbarro's. Traveling to the site as the construction crew neared completion, we hired and trained the staff and management team, established relations with local vendors and promoted the grand opening.

I wrote software to do payroll, inventory, and other weekly/monthly reports throughout my pizza management career – the first version was on a TRS-80 handheld with storage on cassette tape.