Bruce D. Gilham Jr.

# Background

I started writing database software in 1989 for MS-DOS. My primary skill set is in Line of business applications. Any applications that require business process, business rules, the more complex the better. I’ve designed everything from simple system to track measurements for the Aerospace industry, to software the tests embedded chips in the human brain, to software systems that needed to monitor and run all the solor equipment for an entire state.

# Experence

## CAPS Payroll (Sr. Arcitect & Sr. Software Developer)

Rewrote the system that calculates the residual payments for cast and crew in movies and television. It involved desiging a system that would take into account all the union rule suronding residual payments.

## PBMicroSavings (Sr. Arcitect, Project Manager & Sr. Developer)

Designed a system that could use used by any number or retail locations and process millions of transations per second. The system consisted of a public website, private website, mobile application and online reporting system.

After finishing the project I was asked to become the CTO for the company.

## Deluxe (Sr. Developer)

Deluxe wanted to build an online system that would allow employees to log in remotely and add the subtitles to a feature. I helped design the UI and build the Silverlight system that the employees would use.

## Boston Scientific (Sr. Developer)

My primary duties for Boston Scientific was to do code reviews and then fix any bugs that were found. The project was for the Preceision Plus Spinal Cord Stimulator System. Which you can see at <http://www.bostonscientific.com/en-US/products/spinal-cord-stimulator-systems/precision_plus.html>

## Atlas (Sr. Arcitect)

Atlas was in the process of developing a mobile application for managing meetings. I was called in on a consulting baisis to architect the backend system. I designed both a SQL database and the mobile services to support what was needed.

## Mason and Mason (Sr. Arcitect & Sr. Developer)

Designed a custom document mantement system using SQL Server, Full Text Search, ASP.Net, Silverlight and Lightswtich.

## Summit Data Services, LLC (Sr. Developer)

Worked with a team with eight other developerso build a portal system for the medical industry.

Fox Sport Network (Sr. Software Developer)  
Maintanice and development of an interal Silverlight Application, the application used RIA services and SQL 2008.

## MySpace Music (Sr. Software Developer)

.Net API development for the marketing and product teams.

## Universal Music Group DI (Sr. Software Developer)

General SQL development working on the internal system to manage the Meta data for products.  The work consisted of support and updates to a .Net 1.1 N-Tired client with a .Net 3.5 backend and SQL 2005 database.

The dataset exceeded 1TB.

## Vector Resources, Inc. (Sr. Arcitect & Sr. Software Developer)

Vector needed a time tracking system.  They have workforces all over California.  These workforces needed some way to put in "time card" information (at least it started that way).  I provided them a .Net 3.5 application that runs on HP Minis.

In order to support the remote users we went with the HP Minis for hardware and cellular connections, then for security we went with VPN on top of that connection.

They software was so well received that it got modified for internal use, project management approval and accounting approval.  They are planning on expanding the software to push to their accounting system and as a communication portal with the remote workforce.

## Momentum Investment Services (Sr. Arcitect & Sr. Software Developer)

I worked on several projects for Momentum Investment Services; I am still currently under NDA so I cannot disclose the specifics of the projects.  What I can disclose are the technologies used and some theory.

The technologies used where Delphi, ASP, ASP.Net, C#,  VB.Net, Web Services, HTML, CSS, WCF, WPF, WF (very very  little), IIS, Windows 2000, Windows 2003, SQL 2000, SQL  2005, SQL 2005 Compact framework.

Currently the software is running in 11 satellite offices all over the world with a secure VPN connection back to the central site in Los Angeles.

## Baker Boys Dist (Sr. Arcitect & Sr. Software Developer)

You can view the site at www.bakerboysdist.com.  This site was designed by Jim Milner a graphic artist I work with.  I did 100% of the coding both front end and back.

The site uses HTML, CSS, Ajax, ASP.Net, C#.  What you can't see is the back end.  Every page on the site is completely dynamic.

They can update the blog, pictures, videos and retail links (which is developed but not approved for posting).

It uses an Ajax driven video player to give the users a smooth feel when watching a video.

## Chickopolis (Sr. Arcitect & Sr. Software Developer)

Chickopolis was a site developed on top of Joomla using PHP and MySQL.  This was a new startup company and they didn't have the capital to continue, they are going to start back up in the spring of 2010.

BDG Software, Inc. did the Joomla template customization and debugging in PHP to make the site work and implement their specific business rules.

## Full Breath Center (Sr. Arcitect & Sr. Software Developer)

Full Breath Center (www.fullbreathcenter.com) was in need of some help with their web site.  They wanted to increase SEO, drive traffic in and use it as a major part of their business.

BDG Software (my company) took on the project and replaced the existing site with a two page "place holder" with those two pages us where able to move the site up to numbers 3 and 4 on Google in a week.

We then went on a developed the rest of the site.  It's a very straightforward site with very little fan fare.  I was able to use Ajax and SQL for the FAQ and Success Stories.

## Trading From Main Street (Sr. Arcitect & Sr. Software Developer)

Trading from Main Street was a reintroduction to public web development after my stint at John Tech Media.  There product was a real-time training system.  They wanted people to be able to purchase a subscription to their services.  The unique part of the site was the "teaser" articles.  They wanted people to be able to read the first 200 words of the article then require them to sign up for the rest.

They had another programmer try to accomplish that same requirement but without success, I took over the project when it was three months overdue.  I had the site up, running and working three months later, which was one third the time the previous programmer took.

## Cimnet Systems (Sr. Software Developer)

After finishing the prototype in I continued to work with Ciment Systems for another 6 months.  Adding enhancements and making the product more solid.  At the end of 6 months Cimnet took the product in house and later the same year released it.

## Abacus, Inc. (Sr. Software Developer)

For Abacus I came on as a Systems Architect with the purpose of building a product for the company Cimnet Systems.  The product is specific to the Printed Circuit Board industry.

In a nut shell the software held all the engineering information that would be required to build the board.  This required writing a scripting engine that engineers would then creates custom scripts to control the production of the construction instructions.

## John Tesh Media (CTO)

For John Tesh Media I came on as the CTO.  This was one of the most interesting positions I have had.  I had to learn about the music business while building two web sites that would have international draw.  The first site was for John Tesh's music.  The second site was for medical information.  In addition to the web site development I also ran the entire tech department which included EDI links with back end fulfillment houses and product ordering.

With the move to XML I hope these interfaces have become more easy to use and responsive.

## Tyco PCG (Software Developer)

While at Tyco PCG I wrote a complete inventory control and  ordering system that allowed the floor manager to place orders  for new materials in a completely automated manner, I also co- wrote the inventory system that told the employees where to  place and find inventory.

My primary function was writing reports for the Intranet, when I decided to leave Tyco there were over 500 unique reports; the reports had the entire feature that you would expect today.  Paging, sorting, movable columns in some cases, special printing, and a primitive form of Ajax.  The system was written in the late 90s.

## EarthLink Network (Level III lead tech support)

I started as a general tech support, I quickly moved up to lead tech support then help create the tier three tech support that exists today.

While being the lead tech in tier three supports I also wrote a contact management system for the business sales division.  The software was written in VB 5 using an access database.

## DataForce (Apprentice for: Software Architect, Software Developer, Database Architect)

DataForce software specialized in custom database application.  My initial training was by their owner and Chief Architect, under him I learned database design, system architecture and programming.

My main duties included production level code for clients, prototyping new technologies, and discovery for a series of articles published in the Clarion Tech Journal.

## BDG Software, Inc. (Owner)

BDG Software, Inc. was founded in December 2000.  I wanted the freedom to bring the skills that I thought would be the most beneficial to clients.

I've created a network of professional (the best I can find in any area) to use on the projects.  BDG Software believes in delivering the highest quality software (on any platform) within budget.

We work with our clients to make sure that the software has actual ROI and solves some business problem for the company.

# Additional Projects

## Development project with Marco Garibaldi

Marco Garibaldi contacted me and we worked on an online radio station. It used an animated version of, his then girlfriend, Priscilla Presley as the host of the show, we used windows media server to on the fly encrypt music and a PHP front end for all the user interface components.

## www.priscillapresley.com

General PHP, HTML (pre cuss) and JavaScript development

# Skills

## Theory

This section covers general areas that I specifically have experience in.

* Database Design/Development
* OO Design/Development
* Waterfall Design/Development
* Internet Development (stateless/distributed software development)
* Desktop Development
* Server Development

## Languages

I've listed the languages that I am currently most proficient with.  I've used many more languages than this.  I find that for web development using the .Net languages C#, VB.Net, or Prism (Delphi for .Net) covers 99.9% of the things that need to be done.  I keep up to date with PHP since it's has a large market share.  HTML, CSS is requirements for web development.

* C#
* Xamarin
* VB.Net
* HTML
* CSS
* Delphi
* PHP
* T-SQL

## Technologies

Separate from languages these are the technologies I have experience with.  Everything except JQuery I've written one or more delivered system with.

* .Net
* ASP.Net
* WPF
* WCF
* Web Services
* Silveright
* LightSwitch
* RIA Services
* IIS
* AJAX
* JQuery
* Products
* Visual Studio
* Zend Studio
* MS SQL
* Windows Server
* Vista
* LAMP (as needed)

## Work Products

* Complete Accounting System
* Contact Management System
* Inventory Control System
* Custom Private Chat System
* Custom Tracking System
* Web Development
* Online Training
* E-Commerce
* Promotional Sites
* Line of Business Applications
  + Event scheduling
  + Work scheduling
  + Patient tracking and routing system
  + Property tracking