**EDUCATION**:  **Jeffrey Zibrat**

Point Park University **32 William Street**

BS in Computer Science w/ Honors 1992-1996 **Pittsburgh, PA 15229**

**412-260-5421**

Duquesne University **jeff@datahook.com**
Arts & Sciences  1976-1980

Software solution engineer, designer, developer, project manager. Multiple roles’ experience in a diverse set of business models and processes. An efficient engineer, strong skills in UI design, SQL, data modeling, transactional software, enterprise architecture, across diverse team environments.

**Computer Skills**:
**Languages**:

C#, VB.Net, ASP.Net, .Net Framework: 1.0 - 4.5, Visual Basic, C/C++, TSQL, PL/SQL, Java, HTML, Assembler, ASP, XML, XSLT, CSS, Scripting (WSH, VBA, VB, Javascript), DCL, PERL
**Hardware:**

IBM PC's, Novell networks, H/P 9000, VAX 9000/Cluster
**Operating:** DOS 6.2, Windows NT 3.1 - Windows 8, 2003-12 Server, OpenVMS 6.0, Novell Netware 4.0, Unix, QNX
**Software**:

Visual Studio 6 - 2013, ASP.Net, Team Foundation Server, Crystal Reports, Microsoft Access, Installshield

**RDBMS**:

SqlServer 6.0 - 2012 and tools (ssis); Oracle 6.0 – 10.0 and tools, Erwin, Toad

**EXPERIENCE:**

01/2012-Present @ **UPMC** - Enterprise Applications Development and Integration Services

*Contract Consultant, to Employee (8/2012)*: APS.NET Web applications.

**My Role:** (@ location(s): Pittsburgh, PA)

-Code new Messaging web app – MVVM pattern, MVC 3, razor views, connecting to web services, via repository layer.

-Maintenance and enhancements of existing MedTrak suite of web applications (Portal) – ASP.NET.

-Update, maintenance FindADoc Internal, ASP.NET web app, connecting to enterprise biz objects and web services

**Environment:**

VS 2010-2013 Ultimate, C#, SVN, MVC 3, razor, Oracle, SQLServer 2008-2012, JQuery, Javascript

09/2010-12/2012 @ **MSA**

*Contract Consultant*: GX2, new product development, hand held gas calibration & detection system.

**My Role:** (@ location(s): Pittsburgh, PA)

-Design, develop SQL Schema, transactions, filestream storage mechanisms.

-Design, develop C# integration of protobufs, existing assemblies and new assemblies into new data parsing assembly.

-Design, develop Entity Framework 4.1, and C# database service library for data collection and data presentation.

-Design, code Producer/consumer pattern with BlockingCollection for processing of data input queue

**Environment:**

SQLServer 2008 R2/ Express, Visual Studio 2010, C#, SVN, Task Parallel Library, Agile, Unit Test (VS 2010 Pro)

09/2009-9/2010 @ **EQT Corporation**

*Contract Employee Consultant*: for EQT Production & EQT Midstream & EQT Corporate by VisionIT

**My Role:** (@ location(s): Pittsburgh, PA)

-Analysis, new screens, new functionality and GUI enhancements for Well Operations(vb6).

-New and enhanced reports for compressor management (crystal).

-Web page creation for CRUD operations using DevExpress controls w/ custom business entities and components(c#).

-Suite of web service wrapper libraries to interface Peloton’s IO API Assemblies for ETL processes(c#).

-Enhancements and features added to internal ASP.NET MVC 2.0 application.

-C# Winform App: Land Management Work Flow, new screens, maintenance. Bound DataGridViews.

**Environment:**

SQLServer 2005, Visual Studio 6, SourceSafe, Crystal Reports 8.5/9, Agile

Visual Studio Team System 2008 Development Edition, C#, Team Foundation Server

04/2008-08/2009 @ **Pittsburgh Board of Education**

*Contract Programmer*: Pittsburgh Public School’s RTI – Real Time Information System.

**My Role:** (@ location(s): Pittsburgh, PA)

-design and code VB6 class objects for a VB6 WebApp handler.

-writing XSL templates, transforming html and data for delivery to WebApp handler

-XMLHttpRequest (AJAX) object for dynamic client updates.

**Environment:**

SQLServer 2005, Visual Studio 6, SourceSafe, XSL, XML, XPath Query, javascript

04/2006-02/2008 @ **EFI**

*Lead Software Engineer*: EFI’s LogicSQL MIS software for the print industry – middleware, clients and database.

**My Role:** (@ location(s): Pittsburgh, PA)

-OOP design and code VB.NET integration service, VB6 windows forms and classes

-c# unit test suites

-xml message based services.

-ETL transformations with Sunopsis, Postgres, SQLserver, for BI platform.

**Environment:**

SQLServer 2000/5, DOT.NET 1.1, 2.0, Visual Studio 6, 7, 8, WinCVS, CVS, TestTrack

06/2007-Present @ Datahook Corporation

*Consultant*: Non-profit ASP.Net website.

**My Role:**

-SSIS solution for ETL of public domain USA geospatial data.

-Virtual Earth, ASP.Net/C# webapp- US Counties

**Environment:**

SQLServer 2005, targets DOT.NET 3.5(sp1), Visual Studio 2008(sp1), VSS, SSIS, javascript, json

09/2005-03/2006 @ **Five Star Development** by Datahook Corporation

*Contract Programmer*: VISA’s RPM – Rewards Program Manager - intranet application.

**My Role:**

-OOP design and code C# ASP.NET web pages and C# IIS remoting middletier business / data access objects

-DTS data migration 1.0 data to 2.0 schema

**Environment:**

Win2000 Server, SQLServer 2000, C#, ASP.NET 2.0, Team Foundation Server, DTS

01/2004-09/2005 **Allegheny Energy**

*Systems Analyst*: R&D, Design, code, maintenance, support.

**My Role:** (@ location(s): Greensburg, PA)

-research team intending to pilot Service Oriented Architecture (SOA)

-vb6 COM business objects, OOP PL/SQL package design and code (M3i OMS/CAD software integration).

-OOP design and code C# ASP.NET intranet portal application for financial and performance reporting.

-OOP design and code C# Winforms energy trader’s data tools, C# windows services, Impact analysis, UI design.

-wrote full life cycle documentation, specifications, design, deployment, maintenance.

-code C# ETL data from (Sybase, Oracle, SQLServer) to SQLServer data warehouse environment, simple design patterns

**Environment:**

Sarbanes-Oxley, Win2000 Server, SQLServer 2000, Sybase ASE 12.5, PERL, DTS, C#, ASP.NET, Oracle 8.2, ASP, LDAP, HTML

11/2003-01/2004 3 Mo. Contract @ **J&L Specialty Steel** by Datahook Corporation

*Systems Analyst*: Maintenance of existing ASP intranet web portal, design, requirements for new pricing system

**My Role:** (@ location(s): Pittsburgh, PA)

-modify, maintain and code enhancements of existing C#, ASP.NET, VB.NET and ASP 2.0 web applications and

- framework of intranet portal application.

-Trained / tutored mainframe J&L personnel on .NET Microsoft development.

-Requirements gathering and design work on new steel pricing system.

**Environment:**

Win2000 Server, SQLServer 2000, Vb.Net, C#, Crystal Reports 8, XML, XSL

10/2002-05/2003 8 Mo. Contract @ **MedRespond** by Datahook Corporation

*Systems Analyst*: MedRespond is a healthcare information technology company licensed to utilize technology developed at Carnegie Mellon University known as the “Synthetic Interview”.

**My Role:** (@ location(s): Pittsburgh, PA)

-conversion of vb6 webclass and Microsoft Access web application to COM+ w/ ASP 2.0 and Microsoft SQLServer 2000

-design of database schema for enhanced marketing functionality on Microsoft SQLServer 2000

**Environment:**

Win2000 Server, SQLServer 2000, Visual Basic 6, Visual C++ 6

06/2002-07/2004 2 Yr. 1 Mo. Contract @ **Turbine Controls** by Datahook Corporation

*Project Manager, Project Lead*: Client software for digital controllers for power industry for Pittsburgh based engineering firm.

**My Role:** (@ location(s): Pittsburgh, PA)

-design and code database model and processes (transactions, triggers, stored procedures)

-rewrite of existing client from vb6 to vb7 (visual studio.net)

-design of framework architecture for consolidating all client software within one application

-ported static flat data sharing into a dynamic, configurable database solution utilizing XML templates

**Environment:**

Win2000 Server, QNX, SQLServer2000 (MSDE), Vb.Net, FTP, Socket programming, Crystal Reports for Visual Studio®

05/2002-08/2002 4 Mo. Contract Employee @ **CeCity.com** by Raeder Landree

*Project Lead/Technical lead*: Extension of .NET web portal – iBuySpy to product: MedConcert

**My Role:** (@ location(s): Pittsburgh, PA)

-manage changes to iBuySpy web portal for medical industry information sharing

-design and code new security and data sharing solution, including database model and processes

-design of framework architecture to support new user controls and server control components

**Environment:**

Win2000 Server, IIS 5, SQLServer2000, Vb.Net, ASP.Net, ADO.Net, XML, C# (conversion to Vb.Net)

02/2001-10/2001 9 Mo. Contract @ **IRG/eJiva** by Datahook Corporation

*VB Architect*: Pharmaceutical (Wyeth) data processing applications for support of drug manufacturing.

**My Role:** (@ location(s): Pittsburgh, PA)

-architect of VB application framework (ActiveX user control) in conjunction with Oracle data model (saved man-weeks of developer time)

-coded suite of six (6) rapid applications in Visual Basic that plugged into the framework w/ unit testing

-team design of Oracle 8i PL/SQL, design, stored procedures, functions, packages, and client-database transactional processing, Crystal reporting, statistical analysis and display with 3rd party custom controls.

**Environment:**

Win2000 Server, Oracle 8i, Visual Basic 6, ADO, True DBGrid, SourceSafe, Crystal Reports 8.5 Developer Edition, Crystal Enterprise Standard Edition, TOAD 7.0

08/2000-01/2001 6 Mo. Contract (extension turned down) @ **PPG** by IIS

*VB/SQL Programmer*: GSP Global Sales Plan: data warehouse, analysis and data mining, maintenance/enhancements: VB6, SQLServer 7.0.

**My Role:** (@ location(s): Pittsburgh, PA)

-debug and enhance VB custom controls, SQL stored procedures, VB client code, DTS processes

-unit testing

**Environment:**

Win2000 Server, SQLServer 7.0, Visual Basic 6, ADO, SourceSafe

01/2000-08/2000 8 Mo. Contract (project aborted) @ **Duquesne Light** by idi

*Senior Test Engineer and Developer*: Duquense Lights’s attempted system implementation of the next generation of customer information and billing systems, Open-cIS™ software

**My Role:** (@ location(s): Pittsburgh, PA)

-system test, regression test, and release management integration

-test planning, test scenario and test script development, automated test scripts and test data creation

-proof of concept with WinRunner, Rational, WSH (windows scripting host)

-developed VC++ “business object” batch program for data manipulation – reporting

**Environment:**

Win2000 Server, 3 tier software on SQLServer  7.0, MTS, VB, VC++ 6, Visual Basic 6, ADO, SourceSafe, Excel VBA

01/2000-03/2000 3 Mo. Contract @ **IIS for** **Allstate Insurance** by Datahook Corporation

*Lead web designer, coder*: Personnel testing application to test candidates for Allstate’s HR department.

**My Role:** (@ location(s): Pittsburgh, PA)

-Layout and process flow design for 3 tier solution

-VB6 COM control for the data access and connection pooling

-code of administrative internet interface for setting up candidates for testing

-database modeling and stored procedure design

-unit testing, IIS configuration

**Environment:**

WinNT Server, VB6 data access COM objects on MTS (Microsoft Transaction Server), IIS 4.0, VBScript, JavaScript, ASP, Visual Interdev 6.0, FP2000, Visual Basic 6, ADO, SourceSafe, SQLServer 7.0

07/1998-02/2000 1 Yr. 8 Mo. Contract @ **PPG** by idi

*Co-manager*: PPG's corporate Industrial Health and Hygiene software.  Tracking and reporting of all exposures and requirements for hazardous materials and procedures.

**My Role:** (@ location(s): Pittsburgh, PA)

-requirements analysis, prototype design

-tutor tech lead for SQLServer development, design and tool use (EM)

-data modeling, software architecture

-ETL/data conversion via Access & SQLServer 7.0 DTS scripting of diverse legacy data sources

**Environment:**

Win2000 Server, Windows Terminal Server, SQLServer 6.5/7, DTS, Visual Basic 6, ADO, Microsoft Access, SourceSafe, Crystal Reports 7.0

01/1999-08/1999 8 Mo. Contract @ **Hewlett Packard** by Manpower International

*Technical lead*: HP EDMS project MDE (Managed Desktop Environment) Partnership-integration of HP’s system with other solutions. Product performed automated workstation (OS) creation and software distribution. Workstations left ready to logon w/ OS and software installed and customized, network administration, domain  registration, and user profile.

**My Role:** (@ location(s): Palo Alto, CA | Pittsburgh, Pa)

-software architecture to couple products together in transactional, SQL environment utilizing extended stored procedures with file and network API functions

-software coding of client utilities and network object

-custom scripted installations

-unit, regression and integration testing, documentation

**Environment:**

Multi-master NT domain, SQLServer 6.5, VB5, VC++, InstallShield, RDO, ODBC, DB-LIB, SourceSafe

08/1998-12/1998 5 Mo. Contract @ **IBM / Transarc** by MCSI

*Web designer-VB*: 1) Internet banking application consisting of customer and teller Banking screens. 2) Multimedia ATM banking machine interface.  These fully functional IBM projects were made to demo at trade shows, showcasing the Transarc Encina transaction middleware.

**My Role:** (@ location(s): Pittsburgh, PA)

-led team for design and code HTML, and scripted web pages

-ASP application server integration code

-VB5 multimedia API with .avi movie files code

-unit testing, documentation

**Environment:**

NT 4.0, Encina, IBM MQ series, IBM DB2, Visual Basic 4, IIS 3.0, ASP, VBScript, JavaScript, FP 98, InterDev 1.0

04/1998-07/1998 4 Mo. Contract @ **AGR International** by Datahook Corporation

Company produced container vision inspection. Bottles traveled on a conveyer belt and software and camera systems identify defects using machine vision tools. This included the tracking of containers on the belt through infrared PDs and encoder ticks. Real-time camera snaps and inspections.

**My Role:** (@ location(s): Pittsburgh, PA)

-maintenance-enhancements: VB5 client application for container pressure testing

-utilized / tailored AGR’s real time optical data collection and analysis C++ libraries in making a visual basic control interface - dashboard for setting up optical analysis parameters

-unit testing

**Environment:**

WinNT Server, Visual Basic 5, SourceSafe

04/1998-04/1998 1 Mo. Contract @ **Heinz Corporation** by idi
*Tutor:* Various corporate applications (recipe).
**My Role:** (@ location(s): Pittsburgh, PA)

-advised developers on best practice: Visual Basic and data access methods

-consulted SQLServer administrator on how to optimize SQLServer configuration parameters for maximum performance

**Environment:**

WinNT Server, SQLServer 6.5, Visual Basic 4, RDO, ODBC, DB-LIB

12/1997-02/19983 Mo. Contract @ **PPG** by idi

*Programmer*: Sales forecasting client, business knowledge application.

**My Role:** (@ location(s): Pittsburgh, PA)

-debug and enhance SQL stored procedures – tables and VB client code

-unit testing

**Environment:**

WinNT Server, SQLServer 6.5, Visual Basic 5

02/1996-01/1998 1 Yr. 11 Mo. Contract Employee @ **Hewlett Packard** by Manpower International

*Technical Lead*: Microsoft, Alcoa, Hewlett Packard partnership for APIS (Alcoa PC Information System) enterprise system for management of enterprise  software, site, user and personal computer hardware and software information. Product performed automated workstation (OS) creation and software distribution. Workstations left ready to logon w/ OS and software installed and customized, network administration, domain registration, and user profile. Alcoa Aluminum Company of America.

**My Role:** (@ location(s): Toronto, Canada | Pittsburgh, Pa | Amsterdam, Netherlands)

-software component architecture of layout and design over WAN topology, utilizing TPC/IP stack

-SQLServer administrator, database design, database security/backup procedures

-designed, developed, deployed and maintained the Migration of Access 7.0 to SQLServer

-requirements analysis, prototyping, data models

-developed client software of applications in Visual Basic that plugged into the overall architecture

-extended stored procedure for logging and network I/O

-designed and implemented bi-directional, multi-continent replication scheme over a windows NT WAN

-wrote reports and Crystal Reports 5.0, help systems w/ RoboHelp and IIS web.
-automated updating or self-healing software

-unit, regression and integration testing, installation, production implementation, support

**Environment:**

NT 3.51, VB 5.0EE, RDO, ODBC, DBLIB, C/C++, SQLServer 6.5, InstallShield, Robohelp, IIS, Crystal Reports 5.0

04/1993-01/1996 2 Yr. 9 Mo. Employee @ **SAIC**-**Science Applications International Corp.**

*Computer Programmer, project lead, assistant project lead and team member*: PETC (Pittsburgh Energy Technology Center).  Development and maintenance of various client server software. Projects: Property Management, Maintenance, Change Order Processing, and Research Administration. Data migration and conversion tasks. Enhancements to executive Microsoft Access accounting software and reporting. Barcode reader software for data creation.

**My Role:** (@ location(s): Pittsburgh, PA)

-Oracle 6.0 migration to Oracle 7.1

-Proficiency using Erwin case tool for design and reverse engineering

-Developed cross platform data conversion and formatting programs (VMS to DOS)

-SAIC financial reporting application using Access

-utilized strict software lifecycle methodology for all projects

-trained SEI level II SQA - Software Quality Assurance.

-client software development with SQLWindows and Oracle Forms

-design of Oracle 7 PL/SQL stored procedures, functions

-C Programming of embedded system for barcode reader

**Environment:**

Novell Network servers, Oracle6 & 7, C, Visual Basic, Quadbase, SQL, SQLLoader, SQLPlus, Oracle Forms 3, Oracle Reports 2.0, SQLWindows (then Gupta), PL/SQL, Oracle data dictionary, SAIC’s own software life cycle development methodology, derived from the DOD’s implementation of the CMM.

03/1990-01/1992 **A J Smith Inc**

*Estimator, Project Management, Sales, Purchaser*: Office management of primarily interior (some GC) construction projects from blueprint to completion
**My Role:**

-Automated estimating data file creation from spreadsheet text exports using Novell's Btrieve from through an assembler interface.

-setup / configuration of Ace estimating software

-Performed takeoffs, prepared bid proposals from takeoffs and specs

**Environment:**

Windows 2-3, flat and relational database - Alpha 4, DBase III+, QuickBasic4, assembler

01/1975-12/1990 **Construction Industry**

Masonry Apprentice/Laborer/Carpenter/Remodeler/Foreman/Project Superintendent/Estimator/Purchaser
**My Role:**

-Field management of construction projects, blueprint to occupancy

-liaison for GC for architect, owner, subcontractors, employees and vendors

**AFFILIATIONS:** SQLServers User Group, .Net Users group

REFERENCES: Personal, professional furnished with request.