**Fred Castrow III**

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**PROFESSIONAL**

**EXPERIENCE:** Intertech Consulting, Inc., Houston, TX

Senior Consultant

December 2018 – March 2019, Client: TJX

Project: Three buyer control file and five class/category/consolidation applications.

Convert all eight applications from PowerBuilder 7 to PowerBuilder 2017R3 build1880.

Client is migrating from MS SQL Server 2008 to MS SQL Server 2016. Application servers are migrating from MS Windows Server 2003 to MS Windows Server 2010.

September 2018 – December 2018, Client: DOJ/ATF

Project: NQUIRY, NFORCE, NSPECT applications.

Convert all PowerBuilder SQL from Oracle to MS SQL Server 2016.

Wholesale Electric Supply, Houston, TX

Application Developer

January 2008 – August 2018:

Responsible for maintaining and enhancing the production systems MMS, CMMS, WEStore, MMS Customer Portal, and CMMS Customer Portal using PB 7.3, PB 10.5, EAServer, Sybase ASE, ASP, and JSP. <http://www.wholesaleelectric.com> All applications have browser based intranet/internet clients.

Smith International, Houston, TX

Application Developer

April 2007 – December 2007

Worked on a team of six developers on rewriting the DRS (Drilling Record System). This involved moving from PowerBuilder 7.3 to 10.5 and from Oracle 9i to 10g. DRS is a widely distributed application usually accessed through Citrix with the main server in Houston, satellite servers around the world, and local databases for the most remote users all of which are designed for two way synchronization.

Responsibilities: Design and development of new database structure to more closely reflect the business. Implementation of the user interface using PowerBuilder with Oracle back end components. Specifically responsible for the FRR (Field Run Report) module which tracks the engineering analysis of the condition of the bit after drilling runs.

Tools: PowerBuilder v7.3 and v10.5, Oracle 9i and 10g, Toad.

Merrick Systems, Houston, TX

Senior Developer/Analyst

September 2005 – December 2006

Merrick Systems provides integrated software solutions and project services for  
upstream oil and gas production operations.

Responsibilities: Development and maintenance of interfaces from SCADA systems to Procount. Production support and new development for Procount Reports Module.

Tools: PowerBuilder v7.3 and v10.5, MS SQL Server, Oracle, VB

InnerLoop Computer Services, Houston, TX

Lead Programmer/Analyst

January 2002 to September 2005

Phone technical support as well as small web and DB projects from Houston.

Projects: 1) developed VB application to gather and analyze data from eBay, 2) maintenance work using ASP web development for a healthcare company, 3) ColdFusion web development for an energy company, 4) Web site development for a Houston civic association, 5) installation and configuration of 802.11b wireless networking 6) developed a Winsock peer to peer application using VB.NET and Csharp.NET for automation of the lobby greeting function for a doctor’s office eliminating the need for a receptionist in the front lobby, this was later converted to Access/VB 7) developed and implemented an 802.11b Hotspot using Steel Belted RADIUS, a Colubris CN3000 WAP with web programming in HTML, Javascript, VBScript, and ASP 8) Set up Cobalt RaQ 3i Web Server appliances, SnapGear Pro+ firewall configuration

Premcor, Stamford, CT

Senior Developer/Analyst

September 2003 – September 2004

Business: Petroleum Refining. Traders secure supply of crude oil as input and sales deals for the refinery output products. 24/7 operations as prices, movements enter the system, get matched to deals, generating invoices.

Responsibilities: Production Support for RAIV energy trading and accounting system, excise tax system, interfaces to pricing services, invoice transmission, Oracle Financials, and product movement data for refining operations. Expert in RAIV RAMQ services, configuration and processing. I was also involved in the disaster recovery and SOX process development and documentation.

Tools: SolArc RightAngle IV, PowerBuilder v7.3 and v9, MS SQL Server 2000/TSQL, ZyTax 3.14, Tidal Scheduler, MS VSS.

Enron, Houston, TX

Senior IT Specialist

August 2000 – December 2001:

Responsible for the Global Contracts application and database, production support and enhancement development. PowerBuilder 7.0.3, Oracle 7.3, Oracle 8.1.7.2, VB (COM), ASP, XML, Tibco, Java. Facilitated weekly user group priorities meeting. Software design, coding, testing and deployment. Responsible for Oracle PL/SQL interface to SolArc RightAngle, Unify and Sitara systems. The PL/SQL interfaces consist of hundreds of pages of code written and maintained over the years by a variety of programmers that I was later responsible for documenting in detail. The code resided in triggers on the major contract tables which called PL/SQL packages containing code which validated and transformed data from the contracts system to the settlement system (Unify). The process resulted in replication of relevant data from contracts (Oracle) to Unify (Sybase). I was involved in the process to convert the Global Contracts application to a web based application using VB/COM and XML from the older PowerBuilder platform.

Akili Systems Group, Houston, TX

Senior Consultant

November 1998 – June 2000

SBC-San Antonio/Trilogy-Austin: Trilogy Selling Chain/Commission training in Austin. Roles: VB programming/Testing/QA/Technical Support. Implementing and integrating SPARC2000 (System for Processing and Reporting Commissions) for Southwestern Bell Corporation in San Antonio. Object oriented programming using VB to interface with the Trilogy Backbone Object Model.

Chase-Houston: LRPS project (Loan Remittance Processing System). Primary responsibilities were the development and support of the Loan History module written in Oracle PL/SQL starting from the design phase through to production maintenance. The Loan History module consisted of 20 PL/SQL packages each containing dozens of functions and procedures to create specific financial calculations in order to assist financial analysts evaluate the performance of loan packages. I was also involved in Power Builder 7.0 front-end UI development using the PFC. The 7.0 PFC is one of many frameworks I’ve worked with from PB1 to PB8. Rational Rose and UML were used for OO analysis and design, system documentation and code generation.

Compaq, Houston, TX, Senior Analyst

1999

Maintenance and support for the customer service (SDCS) shipping distribution control system. The front end is VB 3.0 on Win95 clients. The server platform is SCO Unix 3 running Oracle 7.0 as the RDBMS. In addition, the system is composed of dozens Unix shell scripts and C programs to automate the startup, shutdown, reporting and analysis functionality.

Anatec/Norrell Information Services, Houston, TX

Senior Consultant

1998

This is a full time position with a project management/consulting company. American National Insurance Company in Galveston, TX was the primary client. The responsibilities include analysis and development of transact SQL stored procedures on Sybase SQL Server 10 and creating reports which call these procedures in Crystal Reports. In addition to this a Power Builder 5.0 application was developed as a front end for the user to modify the structure of the reports without programming intervention. The system is a financial reporting system consisting of a few hundred financial, budget, and statutory reports each with its own stored procedure and a Crystal Report. This application was later migrated to PowerBuilder version 6.

Experian, Orange, CA

Computing Environment Architect

1997

Initially responsible for setting up development environment for MS-BPR project (Marketing Systems BPR). Hardware and software procurement, installation and maintenance of NT network, administration of AIX on RS6000, Oracle 8 installation/administration. The project team consists of about 60 developers. Responsibilities included planning/procuring/installing/maintaining the production environment which is multi-platform (NT on Compaq, AIX on SP2, MVS on Amdahl). Other responsibilities include capacity planning, system integration, and software support including MS Visual Studio 97 (VB and C++), Erwin 3.0, MS Office, Lotus Notes, and Hummingbird UNIX tools.

IBIS Consulting**/**PG&E, San Francisco, CA

OO Developer/Consultant

1997

Worked on Gas Accord project using OMT Method with Rational Rose as the tool for capturing analysis and design. Project implemented using Forté. Back end database is Oracle 7.3 running on SUN Solaris. Worked on development of Company/Contact module and natural gas transportation contracts module.

PMI Mortgage Services Co., San Francisco, CA

Database Consultant

1997

Outlined plan to organize the database needs of a complex environment. The VB 4.0 application created by PMI uses ODBC to connect to whatever database their customer currently uses. Databases supported: Oracle, MS SQL Server, Sybase SQL Server, Watcom 4.0, SQL Anywhere, Gupta SQL Base. I also served as project DBA and performed database conversions involving schema and content. Other activities included creating documentation for infrastructure support and debugging configuration management issues

Bank of America, Concord, CA

NT SQL 6.0 SQL Server DBA/Forté Developer

1996-1997

Database consultant using SQL Server 6.0 on MS Windows NT 3.51/4.0beta as the back end for a 3-tier, client-server architecture using Forté to develop the front end GUI objects on NT clients, the business objects containing methods to enforce business rules, and the service objects for database access. Responsible for data modeling, database implementation, configuration, replication, and tuning along with other project related activities. Object Oriented Analysis and Design. Trained in Forte programming. Tools used: ERWIN SQL, Rational Rose, SELECT/Forté.

Ashland Exploration, Houston, TX

NT SQL 6.0 SQL Server Trainer/DBA

1996

Train personnel on all aspects of SQL Server 6.0 including installation, configuration, DBA functions, scheduling, backup, creating database objects, programming in Transact SQL, database design, mainframe access, replication, and security.

Pennzoil, Houston, TX

Power Builder Developer/SQL Server DBA

1995-1996

Software development to create an IT Asset Management system (ITAM). Front end interface was developed using Power Builder v4.0 (4 yr) using a proprietary architecture of objects and events created by Pennzoil. Microsoft SQL Server for NT is the back end database. Maintenance of various systems including ITAM (PB, Access), Change Management Requests (VB 3.0), Excise Tax(PB), Common database CSBATCH loading (PB), and Remote Payable System (PB).

Halliburton Energy Services, Houston, TX

Consultant

1994-1995

Involved in software development effort for Six Quarter Rolling Forecast and Capital Budget system. Front end interface was developed using Power Builder v3.0. Gupta SQLBase NLM (1 yr), SQLBase Local, and DB2/2 gateway were the back end databases. C programming using MS Visual C++ and Gupta's C API was done to facilitate automated database loading and extraction via AM/PM, a PC/mainframe interface and scheduling program. I was also responsible for using InstallShield to create windows based installation diskettes for the application modules that were to be distributed and installed around the world. Some work done using Word Basic macros to interface MSWord and PB3 using DDE. This was later migrated to PowerBuilder version 4.

AMOCO Production Company, Houston, TX

Lead Analyst, Consultant

1993-1994

Developed and implemented OARS, Operations Authorization Reporting System. OARS is a windows based, client-server application to track well related projects, Drilling, Recompletion, Workovers, Plug and Abandon, and funding projects, AFE and appropriations. System analysis was done according to CSC Partners' Catalyst, a structured analysis methodology, utilizing System Architect as a documentation and development tool. PowerBuilder was used to implement the front end and Sybase SQL Server (2 yr.) running on Novell NLM and UNIX hosts was used for the back end database. A variety of DB2 gateways were used to access data on IBM mainframe hosts. TCP/IP and IPX/SPX protocol configuration. Coordinated and implemented technical aspects of all phases of the project including system analysis and design work, database DBA work, PowerScript coding, and directing 5 other programmers. Work was done in PowerBuilder versions 2.0a and later migrated to version 3.0.

GasMark, Ltd., Houston, TX

Project Leader, (full time)

February 1991 – March 1993

Custom software development for 70 person natural gas marketing company using Powerbuilder, SQL Server and Advanced Revelation (8 yr.). Expert in PC communications, hardware and software. Computer solutions achieved through the integration of scanning, fax, client/server computing and GUI environments. Heavily involved in research and purchasing of new technologies, installing and troubleshooting all aspects of a corporate PC LAN/WAN environment from designing custom database applications to analyzing network traffic and resolving detailed hardware problems. Applications were developed in PowerBuilder version 1 and later migrated to PB 2.

Fluor Daniel, Houston, TX

Electrical and Control Systems Engineer

November 1989 – February 1991

Programmed distributed control systems from Taylor Engineering, Honeywell, Foxboro, Allen Bradley, Yokogawa, and others. Microsoft C and MS Windows SDK used to interface PCs as on-line computers for advanced control using dynamic matrix control as a predictive controller for profit maximization, energy conservation, and regulatory compliance. Integrated NEXPERT Object, expert system software, with MS Excel, MS Word, and Superbase 4 to automate engineering data sheet generation and storage for integration with FACET, Fluor's AutoCAD and Clipper based software environment. Clipper programming experience.

Dunbar & Co., Houston, TX

Programmer

May 1986 – November 1989

Custom software development using Revelation and Advanced Revelation RDBMS to design and implement solutions for a variety of businesses including: loan servicing, veterinarian clinic management, Houston Rockets ticketing system, HISD project management system, Mead Paper job cost and budgeting system, and an AutoCAD drawing generation system to graphically display natural gas balancing. Hardware responsibilities included installation, management and troubleshooting of Novell Netware LANs (8 yr), and general PC maintenance, repair and upgrading.

**EDUCATION:** RICE UNIVERSITY, Houston, Texas

BSEE, Electrical Engineering, May 1986.

Quantum Electronics/Biomedical Engineering

# Certified PowerBuilder Developer, 1994