

# Michael D. Ballard

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## Software Developer/Engineer

I am a solution-oriented software developer with extensive experience getting data to move back and forth between systems ranging from legacy IBM mainframe systems using EBCDIC flat files and ISAM/VSAM file systems, to Unix systems with Oracle, UniVerse and other proprietary databases to Windows systems with DBase, FoxPro, Oracle, SQL Server, etc. I've used proprietary data access libraries as well as more standard tools like FTP, ODBC, OLEDB, ADO and Web Services with XML and JSON. I have considerable experience in every aspect of the software development life cycle and especially in taking high-level application concepts and translating them into useful functional specifications and detailed database designs which I then use to build successful applications.

### PROFESSIONAL EXPERIENCE

**JDi Data**, Ft. Lauderdale, FL (telecommuting from San Diego, CA) (Mar 2015 – Now)

Provider of insurance software solutions.

#### Programming Services Engineer

Part of the development team for the Claims Manager (CM) product. CM helps companies, government agencies and third-party administrators manage Workers' Compensation and Liability claims. My principal focus has been in conversion of data from whatever previous environment to CM's SQL Server database and then working closely with the new users through their initial period of transition to CM.

**Peak Performance**, Calabasas, CA (Oct 2014 – Mar 2016)

Marketing solutions provider for auto manufacturers and dealers across the country. Peak tracks vehicle sales & service history and estimates mileage to generate appropriate service reminder pieces which are sent by postal mail or email. For certain dealers Peak also makes follow-up phone calls.

#### Contractor (part-time)

Developer for the legacy UniVerse applications & C#.NET/SQL Server developer of Windows services and web services.

**Parsons Corp.**, Pasadena, CA (Jan 2014 – Oct 2014)

Provider of technical, engineering, construction, and management support throughout the world to federal, regional, and local government agencies as well as private industries.

#### Contractor

Developer / Customer support for "Document and Material Control System" (DMCS) running in UniVerse on AIX.

**4iSoft LLC**, Cerritos, CA (Oct 2011 – Now)

'Insurance-centric' IT Services company, supporting the IT initiatives of some of the largest insurance carriers, third party administrators (TPAs), joint powers authorities (JPAs) and self-insured corporations.

#### Contractor (part-time)

Data Extraction specialist. Several projects involving extracting and cleaning of insurance claims data from UniVerse (on AIX or Windows 2008 Server) into SQL Server, including verification of completeness plus assistance in mapping columns and tables in the old system to their equivalents in the new system.

**Peak Performance**, Calabasas, CA (Apr 2011 – Dec 2013)

Marketing solutions provider for auto manufacturers and dealers across the country. Peak tracks vehicle sales & service history and estimates mileage to generate appropriate service reminder pieces which are sent by postal mail or email. For certain dealers Peak also makes follow-up phone calls.

#### Contractor (Apr 2011 – Jul 2011), Programmer III (Jul 2011 – Dec 2013)

- Developer for the legacy UniVerse application.
- C#.NET/SQL Server developer of Windows services and web services.
- 'Translator' from VB6 WinForms utilities to multi-threaded C#.NET 2010 Services.

**P&C Claims (formerly GenSource, formerly C.I.C.), Valencia, CA** (Feb 2002 - Jan 2011)

Complete solution provider for administration of Workers' Compensation, Property & Casualty Liability and Disability insurance claims. Legacy UniVerse (UV) & Power Builder product, "GenIRIS for Windows" (GiFW), is composed of: GenCOMP (Workers Comp), GenPAC (Property & Casualty Liability), GenDIS (Disability), GenRISK (Point in time reporting and trend analysis), GenARS (Management of documents associated with claims), GenIRIS Data Warehouse [GIDW] (SQL Server data mart for reporting and analysis). New product, ClaimsVision is web-based C#/ASP.NET & SQL Server 2008 application.

**Software Engineer II**

Product Manager for GenRISK and GenDIS. Became lead programmer for project to convert GenCOMP and GenPAC data from UniVerse to SQL Server. Was 'go to' person for application or database support issues no one else could reproduce, find or fix.

- Installed, supported and enhanced GIDW. Used SSIS 2005 to extract UV claims data into a SQL Server 2005 data mart. This allowed end users to use common reporting and analysis tools to meet their needs without needing to learn how to interact with UV data directly.
- Enhanced and updated the SSIS jobs for GIDW. Converted them to SQL Server 2008.
- Overhauled and considerably expanded on a flawed set of SSIS jobs for extracting GenCOMP and GenPAC data to populate the SQL Server 2008 database for ClaimsVision.
- Created a C#/ASP.NET/JavaScript intranet application for time tracking. Our former parent company, StrataCare, needed a custom time-tracking application so that management could see how much time programming and customer support personnel were spending on new development and enhancement projects. This was developed with Visual Studio 2008 & SQL Server 2008.

**Epicor Software (formerly DataWorks), San Diego, CA** (Jun 1994 - Dec 2001)

Developer of mid-range manufacturing and distribution systems. Products included DataFlo, ManFact and InfoFlo. Newer product, Avanté, was developed from a base in InfoFlo plus selected features from both DataFlo and ManFact. I was part of the 'Systems' group at DataWorks and mostly worked with DataFlo. DataWorks became part of the Epicor 'family' in 1998.

**Senior Software Engineer**

Evaluated new releases of UniVerse & UniData, enhanced subroutine libraries to hide O/S or DBMS specific details from application developers, ultimate troubleshooter for O/S, DBMS and tools issues.

- Co-developed (VB 3, 4 & 5) and then re-wrote (VB 6) Windows-based point-and-click 'Report Wizard' that natively understood UniVerse and UniData (U2) data structures and dictionaries. Report Wizard used a combination of UniObjects in the Windows client plus a set of U2 routines to handle the data fetching and the application security. Report Wizard works with all four Epicor U2 applications.
- Helped to develop and support a SQL Server Data Mart that allowed our users to do trend analysis and reporting using familiar, off-the-shelf tool. The project started in SQL Server 6, updated to 7 and, finally 2000.
- Created ANSI C programs to allow U2 applications to interact with Vertex Quantum for Sales and Use Tax software. A single set of source code, with platform-specific 'make' scripts, compiled on Windows NT & 2000, AIX and HP/UX. U2 applications cannot easily call functions in O/S-level libraries. My program made this easy.
- Installed and performed basic system administration on IBM AIX, HP/UX, Sun SPARC plus Windows 95, 98, ME, NT Workstation and NT Server.

**TECHNOLOGY PORTFOLIO**

**Databases:** SQL Server (6 – 2013), UniVerse (7 – 11), UniData (4 & 5), Pick (various), MS Access (1.0 – 2003)

**Database Tools:** SSIS, Transact-SQL (T-SQL) queries, functions and stored procedures, SSRS, UniOLEDB, UniObjects, UniSQL

**Programming Languages:** VB.NET, C#.NET, Pick/U2 BASIC

**Foundational Databases & Languages:** Oracle (v4), IBM VSAM, Dbase; Power Builder, Delphi, ANSI C, COBOL, FORTRAN, PL/1, IBM Mainframe Assembler

**OSs:** Unix, Windows

**Web:** HTML, some ASP.NET (with both VB & C#), Javascript, Java, Groovy

**EDUCATION**

BS - Applied Science & Technology: Information Technology - Thomas Edison State College, Trenton, NJ. 2013-2015

Continuing education in Unix Administration & Novell Network – Learning Tree University, Chatsworth, CA 1992 – 1994

C# & ASP.Net – College of the Canyons: Ed to Go, Santa Clarita, CA 2007

AA – Computer Programming – Los Angeles Valley College, Van Nuys, CA 1984