

WORK HISTORY

Lee F. Johnson

August 2003-Present, Computer Science Department, UNC-Asheville NC.

Adjunct Assistant Professor – Data structures, Algorithms, and Java programming
CIS201 lectures, CIS202 labs, CIS448 Guest Speaker.

August 2005-December 2005, Business Computer Technologies Dept, Asheville-Buncombe Technical Community College, Asheville NC.

Adjunct Instructor – Introduction to Computers CIS110.

December 1996-Present, IBM Global Services

IT ARCHITECT - Tampa, Fl and Asheville NC for Global AMS Delivery, Integrated Process Management (IPM)

Consulting IT Architect, Rational Software Tools implementation specialist and trainer.

Hardware: Netfinity servers, IBM AIX based servers, and Redhat based Intel servers.

Software: Rational ClearQuest, Rational ClearCase, Rational Software Architect, Rational Data Architect, Unified change and process management.

Architect, programmer, and DBA developing and supporting customized tools created by the AMS Transition/Transformation group in Gaithersburg MD, Southbury CT, and Poughkeepsie NY.

Hardware: Netfinity servers and Nighthawk SP nodes.

Software: WebSphere suite, DB2/UDB with data warehouse manager and intelligent miner, VisualAge for Java, Windows 2000, AIX, Lotus Notes, Erwin, Rational, Brio, Essbase.

Member/author of a tools evaluation team. The group does technical, financial, and market analysis of IBM and 3rd party tools to be used as a standard across all IBM Global Services application managed accounts.

Webmaster and technical editor. Supporting several web sites for IBM outsourced accounts showing management systems for transitioning them through CMM level 1-5 and now the CMMI.

DBA supporting the development of the BMSIW-Corporate Gross Profit data warehouse in Boulder, CO.

Hardware: MVS Mainframe Sysplexes

Software: DB2, Erwin, QMF, BMC Utilities.

IT ARCHITECT - Largo, Fl at Jack Eckerd Corp.

Project lead and Architect for database applications using Web application servers.

- Prototyped applications and installed and supported WebSphere on NT4.0/Win2000 servers.
- Installed and maintained VisualAge for Java and assisted in developing a Java development methodology.

- Member of a development team that created the back end of Eckerd.com's pharmacy prescription refill system.
- Member of a development team that converted a poorly performing photo lab inventory system to Java running in WebSphere using database connection pools to Oracle and DB2/MVS.
- Installed and implemented DB2 Connect for all DB2/UDB access for all web applications.
Hardware: Netfinity servers.
Software: WebSphere, UDB, DB2, Oracle, VisualAge for Java, MS SQL-Server, Windows NT, Windows 2000.

Team lead and Architect for the data replication and transformation requirements of a large RETEK implementation.

- Installed, configured and supported DB2 DataJoiner to replicate relational data from Oracle to DB2 on continuous basis.
- Member of a data architecture team that mapped the RETEK systems and developed data transformation rules to be used for replication.
- Assisted in the development of database called routines used to replace IMS database calls with equivalent DB2 queries.
Hardware: RS/6000, IBM NUMA-Q 2000, IBM ES/9000 mainframe.
Software: DB2 DataJoiner, UDB, DB2/MVS, Oracle

Project lead for mainframe database systems group and architect.

- Project managed DBA staff supporting DB2, IMS-DB/DC, and CICS on remote MVS systems at Lexington KY. during the acquisition of Eckerd by JCPenney, and subsequent 100% growth in stores and databases. This contributed to Eckerd and JCPenney renewing and extending long-term contracts at IBM.
- Involved in database redesigns and project management for Y2K.
- Involved in database and system software upgrades to support Y2K.
- Involved in client/server development with 20-30 Oracle database systems.
Hardware: ES/9000, IBM and HP UNIX Servers, Windows NT desktop.
Software: DB2, IMS, CICS, OS/390, COBOL, C, Powerbuilder, TI/Composer, Assembler, DB2/6000

DBA project lead for pharmacy and point of sale data warehouses.

- Involved in original requirements gathering and proposals through to production support of two parallel data warehouse projects in a difficult multi-vendor environment.
Hardware: Sequent NUMA-Q servers, Storage-Tec tape Silos, 7 terabytes of EMC Symmetrix raid disks.
Software: DYNIX PTX, Oracle 8, DSS Agent desktop and web ROLAP tools, DataTeam and ObjectTeam, Pro-C, Erwin and Rational Rose, S-designer, Oracle Designer/2000.

Distributed database and systems developer.

- Involved in systems redesign, testing, and approval of a TCP/IP routing hub for physician to drug store electronic prescriptions.
- Involved in design, coding, and testing of a project to convert VSAT connected stores to TCP/IP.
- Involved in designing, coding and testing of client/server systems using TCP/IP to connect to IMS. This replaced unreliable vendor middleware.
- Developed Netscape java applets using Oracle thin client JDBC to query data warehouses.
- Involved in installing and implementing an ADSM tape solution.
- Prototyped java based intelligent agents to be used for data mining after attending classes at UCLA.

Hardware: IBM RS/6000, HP, SUN, and SCO Intel systems.

Software: Jbuilder, Java Workshop, Visual Age, C-Set, Borland C++/Together, JDK 1.1, JNI, Web servers (Netscape Fastrack, NCSA, SUN Java Web Server), CGI, PERL 5.

GRADUATE STUDENT - Bear Stearns IT Research Center

Staff directed research projects investigating advanced databases, data warehousing and data mining of public health data with \$1 million research grant from the US Department of Commerce.

Hardware: Dell Intel multiprocessors, SUN Ultra SPARC systems.

Software: Darwin, SPSS, Intelligent data miner, Oracle Designer/Developer, DB2/UDB, Java 1.3

RESEACH TEAM MEMBER – National Institute for Systems Test and Productivity under the USA Space and Naval Warfare Systems Command.

Staff directed research projects using neural networks, genetic algorithms, and machine learning to assist in software testing and reliability.

September 1986 – December 1996, Talbots/AEON USA, Tampa, Florida

Project Lead/Database Analyst III/SYSTEMS PROGRAMMER III

- Evaluate, install, do training, and maintain software development, debugging, and maintenance tools.
- Provide all database support for marketing, warehousing and shared systems applications from data and process models to ongoing production support and performance tuning.
- Responsible for all reverse engineering of VSAM and IMS applications to DB2 using CASE tools.
- Designer and programmer of an object oriented data dictionary/repository for Bachman models.
- Responsible as backup personnel for DB2 and IMS systems administrator and systems programmer; CICS support and systems programmer; and LAN/Unix systems administrator after having performed the roles as primary duties.
- Responsible for installation, maintenance and conversion support for Endeavor configuration and change control system.

- Designer and developer of C++ CPI-C programs and LU6.2 CICS COBOL programs for communications with warehousing material handling systems.
- Designer and developer of C++ TCP/IP programs and CICS COBOL and Assembler programs for communications to frame relay connected cash registers.

Hardware: IBM ES/9000, Token Ring and Ethernet LAN, SUN SPARC Workstation, IBM PC's and clones.

Software: MVS/ESA, DB2 3.1, IMS 4.1, CICS 4.1, Bachman Analyst, Bachman Designer, Bachman DBA tools with BMC Change Manager, Expediter CICS/TSO, Intersolv APS MVS/PC, SAS, OS/2 Warp, OS/2 Communications Manager with CPI-C libraries, OS/2 TCP/IP, InterLink TCP/IP-MVS, Borland C++, Beta developer of Inmark platform independent development C++ Class Libraries, Endeavor, Endeavor/PC, Solaris 2.4 Unix, Sybase, QNX Unix, SCO Unix, GNU C and C++, SunPro WorkShop, MS-DOS 6.2, Windows 3.1 .

June 1985 - September 1986, Cap Gemini America, Tampa, Florida

SYSTEMS PROGRAMMING CONSULTANT

- Systems integration and testing of Xerox XPAF laser printing system. Assisted in the development of a prototype JES functional subsystem interface and design specifications for XPAF. Orlando, Fla.
- Systems programming consultant to lead MVS/370 to MVS/XA conversion. Instructor for ISPF/TSO assembler programming. Omaha, Nebraska.
- Systems programmer responsible for installation of software packages and systems maintenance. Aided in the development of an expert system help desk application using PROLOG. Melbourne, Fla.

September 1983 - June 1985, Jack Eckerd Corporation, Largo, Florida

SENIOR SYSTEMS PROGRAMMER

December 1982 - September 1983, Universal Software, Inc., Tampa, Florida

SYSTEMS PROGRAMMER AND SOFTWARE DESIGNER

April 1982 - September 1983, Systems Programming Services, Inc., Tampa, Florida

SYSTEMS PROGRAMMING CONSULTANT

February 1982 - December 1982, Landmark Data Services Corp., St. Petersburg, Florida

SYSTEMS PROGRAMMER

September 1980 - January 1982, Lykes Pasco Corp., Dade City, Florida

SYSTEMS PROGRAMMER