

Ed C. Crean
(603)-682-9913 Cell
EdC@Creanconsulting.com

Objective:

Looking for Architectural or coding work in DataWarehousing technology. No Travel.

Education

1998 Southern New Hampshire University – MBA 3.85 GPA

1993 Southern New Hampshire University - BS in CS

Languages: C++, C, SQL, PERL, K Shell Scripting, JAVA (J2EE, J2SE),
Database: Netezza, Hadoop, MS SQL Server 2000, Sybase, Oracle, DB2, MYSQL, Informix,
ETL: Informatica, Carlton, Abinitio, SQL and Scripting based as well
Data Modelings: PowerDesigner, ERwin, SilverRun
Web: Servlets, JSP, EJB, JavaScript, PERL CGI, Apache Tomcat, Adobe Golive, HTML, XML
Op Systems: Linux, UNIX, AIX, Windows XP, NT, Stratus VOS, VAX VMS

Experience:

2011 July to Present

Partner Solutions Architect IBM (Netezza) Bedford, NH

Supported Partners in their certification process with the Netezza DataWarehouse Appliance Product. Built BigInsights Hadoop Cluster for Certification and wrote sample code examples for SQOOP, HIVE, BigSQL, FLUME. Built Windows Cluster for NAA project partnering with Ventraq. Resident Informatica Expert on connectivity, usage, performance recommendations to customers. Write and Provide coding examples of UDTF, UDX, C++ Code, PERL Code, SQL Coding examples to partners and customers looking for samples and examples of a technique. Provided documentation and answered partner questions on Appliance best practices. Managed 18 racks of internal and partner equipment in a lab in Marlboro with 10 Gig connections. Replace Faulty Hardware, bring up new hardware, prep hardware for shipping to trade shows.

2010 July to 2011 July

Netezza Consultant Blue Cross Blue Shield Boston, MA

Supporting Multiple Netezza Appliances and Physical Database Requirements in consulting for Blue Cross Blue Shield of Massachusetts. Physical migration of 5TB from 10100 and TwinFin3 platforms to a new TwinFin6 platform. This included all data structures, SPs, Objects, data, scripts, users, physical mounts. KSH Scripting and enhancements. Altered system configuration systems settings. Setup GRA groups, groups, new users. Resolved Linux level systems issues. Managed hardware issues and worked with Netezza support on gathering logs and other related information.

2009 Jan to 2010 June

Director Technology Epsilon Wakefield, MA

Supported marketing efforts for a large well known financial client. Helped shape and create UPU and MDS projects, vision, architecture, and coding. Managed multiple direct reports, reviews, interviews, handling personnel issues. Six person team handling Output Disposition processing and changes. Managed the Manager of Production Operations. Lead three person team coding UPU database on Netezza with Perl based libraries for data loading, did data modeling, did coding. Three person team coding MDS project to move from monthly snapshots to a near time database architecture that would support clients that had shorter campaign cycles. Designed metadata driven data propagation mechanism to copy multiple tables to various targets dynamically. Held SDLC collaboration meetings for the division across multiple project groups so that we could share existing documentation and processes and create/improve our process on client projects. Presented to the technical team on future planning, goals, technical direction. Small Data Modeling training presentation to some of the newer folks.

2005 Jan to Dec 2008

Principal Software Engineer Fidelity Investments Merrimack, NH

Delivered and managed 3.5 Terabyte database used for Fixed-Income securities analytics and price modeling using Netezza. Worked on proof of concept phase where all applications, drivers, and clients were tested and setup. Data Modeling of Loan Performance, Intex, Trepp, and Case Schiller databases in PowerDesigner. Architected and coded the directory scraper and a set of dynamic PERL data loaders that could parse filenames to determine target tables for loading. Loaders leveraged ENV Vars and variable substitution not normally supported in Netezza's native NZLoad client. Loaders populated audit columns, converted dates, supported some data type conversions, and file format conversions as needed. Created dual load architecture of PROD and DR boxes with a 3DNS alias and NFS mounted storage.

Wrote and gave presentations on architecture, data, and business cases. Redesigned existing fixed to pipe format code to run four times faster by using a perl generating perl and running technique to simulate a memory mask. Prototyped out a working NPS Netbackup solution on our development box. Wrote a metadata driven data mover to pull tables from Oracle and Sybase nightly to refresh Bloomberg and Holdings data over to Netezza. Largest physical table is over a Terabyte. Backfill loaded 14 years of Loan Performance data. Backfilled Historical Intex data from backups so we had 4+ years of data.. This is the first instance of Netezza at Fidelity and now other areas within the company are looking at using it.

Built first generation of Bloomberg Back office with 17 files loaded through Informatica. Wrote metadata driven XML workflow generator to create the loaders. Responsible for Informatica 7 and 8 upgrades, monthly meeting with IMT folks and Informatica standards. Creation of QA and DEV environments for Informatica as well as NFS mounts and other minor improvements. Coordinated loader testing during upgrades and DR drills. Part of the six senior primary oncall people within the group supporting Oracle and Sybase nightly loading and cycle processing. Responsible for DBS Ops document and weekly meeting.

2004 July

Contract – 3 Months

Verity

Sunny Vale, CA

Alterations for a new Verity client. Load, merge, cleanse data feeds and made client specific customizations to reports.

SQL Server, Oracle and Crystal Reports technologies.

2003 May

Contract – 3 Months

Verity

Sunny Vale, CA

Database design reworked with temp tables and created covered indexes to improve performance. Tables implemented in both SQL Server 2000 and Oracle 9i. Database was loaded from their information crawler product (Verity K2 Enterprise). Recommended proper database size, improved indexes, isolation level and fixed index suppression in SQL code. Verity crawler search documents and generate files that then populate the database that then supports reporting.

2001 to 2002

Principle Architect

Aspect Communications Chelmsford, MA

Database was DB2 V7.2 and reporting back end is Seagate Info Reports. C++ based ODBC loading mechanism was based on objects that could be changed at compile time. Modeled, Designed, Implemented a two stage reporting database for Aspects new IPCS Contact Suite product. Responsible for all data Modeling/Design work using Erwin. Designed and created Stored Procedures and Triggers that populated reporting oriented tables with data that arrived in communications oriented layouts and formats. Wrote design documents that detailed transformation rules, and sample code for each technique to be used. Wrote up disk space usage projections based on call volume and number of agents. Conducted performance tuning effort to eliminate table scan and locking issues.

2000 - 2001

Consultant

Liberty Mutual

Dover, NH

Data migration project for transporting STD/LTD insurance claims information from Sun/Sybase to IBM/DB2 platforms. Managed small team of three and all deliverables. ETL extraction was coded in C++ with ODBC calls to Sybase. Loads were Cobol based from FTPed flatfiles. Wrote PERL code generation tools to accelerate development of the extraction source code in C++. Mentored one team member on Data Warehousing SQL techniques, C++ programming, and UNIX skills. Identified and worked through data mapping and modeling issues. Delivered on time and without problems. Code has already been cloned for reuse on another data feed project.

IRIS replacement project. Worked directly with the Lead Architect on rebuilding the data model to support another system that was going away. Helped design and normalize the new schema and made recommendations based on data conversion trade offs. Wrote all data conversion code, new ddls, new billing program on Unix platform using C++ and ODBC to Sybase.

Developed list and details screens in java script using the J2EE architecture. Wrote Data Access Beans and EJB classes to support database access on the backend behind the screens. Wrote install procedures for new class paths and JAR files that other team members. Coding was done using 'WebSphere' and 'Visual Age for Java' tools by IBM.

1998 – 2000

Lead ETL Engineer Tessera Enterprise Systems Wakefield, MA

Worked on the Columbia House system cleaning up 'C++' code and writing summary queries. This system would hold both their Video and Music club customer and history information. Allowing them the ability to do CRM analysis and target mailings for the first time. Project was on an IBM 15 node MMP cluster running AIX using an INFORMIX database. Queries were broken into multiple parts using two sets of table joins out to temp tables for performance reasons.

Internal development work on our 'Early Value' product offering based on Oracle. Wrote shell scripts and Oracle database load routines. This completed database was then used to showcase CRM (Customer Relationship Management) to financial clients interested in cross selling or analysis driven mailing campaigns. Wrote 'Profitability Analysis' paper and examples to show potential clients how to use CM (Contribution Margin) analysis to determine their most profitable customers.

1997 – 1998

Senior Project Manager Paymentech Salem, NH

Responsible for tasks in any area of the company encompassed by a project. Conducted research and documented cost analysis of possible solutions. Interfaced with end-users and product managers to address needs and open issues. Used my technical background and hands on approach to interface well with developers and achieve results. Responsible for five to six projects at any time. Team sizes would range from three to fourteen people. Using MS Project to determine time frames, availability, crashing, and critical path on each project.

Wrote project specifications for VISA/MasterCard regulatory compliance every six months. Including: card processing changes, new credit cards and interchange rates, new MCC codes, training documentation changes, and project milestones. Conducted project meetings and pursued all issues raised. Interfaced with the Development, Training, Merchant Services, and Operations departments to ensure that their needs were met. This was a high visibility position within the company.

Took over and completed a failing ECP Redeposit project. Product was designed to deposit checking transactions that were previously rejected on overdrawn accounts. Two sets of developers had quit the project before over disagreements with their project manager. That project manager then quit the project. When given responsibility for the project, I researched the system, designed a better technical solution, trained a developer to code it, participated in the testing, and brought the project to completion within three months.

1995-1997

Senior Software Developer Paymentech Salem, NH

Wrote Software Requirements Spec for Canadian Check Processing product. Lead the project, conducting weekly meetings. Worked with Bank of Montreal contacts to track and resolve technical issues. Wrote C, C++ and Informix 4GL code running on Sun UNIX and Stratus VOS platforms. Documented design and code flows so that the software could be supportable by others. Learned DDA Debit file formats. Learned Credit Card industry formats and requirements for deposits and authorizations. Responsible for any new enhancements to ACH/Debit coding.

Worked projects to follow new MasterCard and Visa processing guidelines. Coded changes for new MasterCard ICA/BIN file changes. Also wrote fixes/enhancements for Future Transaction Management

System. Wrote SQL updates to Service/Pricing tables impacting billing. Used 'Set Explain' to tune queries for optimized performance. Wrote SQL code and C shell scripts to distribute reports to two fax servers. Fax application also tracks successful and failed transmissions in a database table that users can access.

1994

Software Developer State Street Bank Boston, MA

– C++, Sybase, Unix, FTP, VMS, Foreign Exchange Currency Trading

1989-1993

Software Developer EDS Waltham, MA

– C++, Vax Basic, VMS, Cellular Switch Activations