

DUANE JURGENS

4185 Amberleaf Trail • Eagan, Minnesota 55123
Web: www.jainet.com • Mobile: (612) 281-6234 • Email: djurgens@jainet.com

SENIOR BI CONSULTANT PROFILE

Data Warehouse Consultant / Analytics Solution Provider

Technically sophisticated professional with qualifications in analyzing business needs, architecting innovative solutions, database, and reporting solutions measuring performance against goals, identifying trends, and detecting new opportunities. Organized, assertive professional with exceptional follow-through and a focus to schedule; capable of managing multiple projects from conception to successful conclusions. Outstanding communication and liaison skills proven by effective interaction with clients, management, partners, and team members.

CORE COMPETENCIES:

- Solutions Architect
- Architecture Assessment
- Data Analysis, Integration & Reporting
- Data Architect
- Project Management and Planning
- Full Stack Development

Technology Proficiency:

- SQL Server 2008, 2012, 2014, 2017
- AWS / Redshift
- AIX, HP/UX, DB2 (UDB EEE), Solaris
- Oracle Forms, PL/SQL, OCI, SQL Load
- Sybase Transact SQL, Open Client /Server
- MS Stack (SSIS, SSRS, SSAS, MVC .Net)
- Airflow / GitHub / Python
- Ascential Data Stage
- Teradata Multiset and Infopump development
- Autosys, Active Batch, MS Office

PROFESSIONAL EXPERIENCE

MARKETING ARCHITECTS, INC. - SENIOR CONSULTANT

September 2020 – May 2021

Second engagement, responsible for the Architectural Assessment of Marketing Architect's CRM / Work Flow legacy platform with the goal of replacing the technology with internally developed applications.

- Architectural assessment of existing Pivotal platform. Created project plan in Wrike. 19 modules targeted for migration and coexistence with 8 related applications.
- Development of each module in new environment via SSIS, SSRS and Transact SQL. Development of each module into production retiring legacy modules on a rolling basis.
- Migration of accounting activities to MS Dynamics Business Central. Developed SSIS project to process industry A4 invoices along with an SSRS series of reports to reconcile invoices to actual business activity.
- Migration of CRM to Hub Spot. Developed a SSIS solution to pull data populating Hub Spot.
- SSIS solution to replicate existing legacy Pivotal data repository to internal MAHub repository.
- Migration of SQL Server instance(s) from legacy servers to VM instances
- Disaster recovery analysis of Azure instances implementing high availability solutions.

LIFETOUCH, INC. - SENIOR CONSULTANT

March 2019 – August 2020

Senior consultant providing technical expertise across numerous disciplines. Architect participating in the design of an AWS Redshift Data Warehouse, architect in the design of a privacy Data Mart, analyst and developer of numerous initiatives as well as production support and database administration.

- Development of coexistence packages to post financial data delivered via JSON from a new Point of Sale application to SQL Server presenting data to Oracle financial platform.
- Developer/analyst working with the Lawson conversion of LifeTouch financials to SAP. Working with the 4 Specialty Business Units analyzing current General Ledger and Sales Order to Cash

DUANE JURGENS

processes, creating detailed mapping documents and providing automation to pull data from source business units into SAP.

- Architect / developer of automation to provide the privacy California Consumer Protection Act (CCPA) Datamart. Solution includes pulling customer data from SQL Server, Oracle and AWS Redshift to the CCPA Datamart and providing a reporting platform as well as an obfuscation engine.
- Developer migrating current ETL (MS Stack) process from SQL Server to AWS Redshift. Creating Redshift tables and Airflow DAGs to perform ETL from source systems. Also transform data (MS Stack) from a number of Redshift sources into the Specialty Group SQL Data Warehouse.
- Architect, business analyst and developer of the 4th business unit as well as a Proof of Concept Studio into the Specialty Group Data Warehouse. ETL (MS Stack) performed via Transact SQL and SSIS from Oracle, SQL Server and AWS Redshift source systems.
- Developer of extracts from SQL Server into Salesforce Service and Marketing Cloud environments. Extracts are encrypted and transferred (SFTP) to Marketing Cloud with SSIS automation.
- Perform DBA activities, space management, server configuration and query tuning of SQL Server 2016 environments.

ECOLAB, INC. - SENIOR CONSULTANT

May 2016 – March 2019

Senior consultant providing architecture and development for multiple initiatives, extensive reporting development in Power BI, SSRS and Microsoft Access. Part of a 4 person development / support team providing development and support for over 1,500 reports.

- Development of a Power BI Dashboard populated via SQL Stored Procedures. Implementation of row level security based off of corporate hierarchy. Visualize data points with both packaged and marketplace charts, graphs and KPI's. Publish and schedule refreshes on Azure cloud server.
- Architect and developer of Commitment Engine. This application schedules customer visits, compares actual visits with sales based on a number of sophisticated factors. The process is driven via an MS 2012 SSIS ETL for which I worked as the architect, business analyst, developer and production support resource.
- Architect and developer of a data mart used in coordination with Salesforce.com CRM to allow territory managers to enter and maintain planned future sales. The solution includes the data mart model, SSIS packages to populate data mart tables and SSRS reports targeted for field and corporate tracking of plan to sales performance.
- Developer of SSRS reports used to show distributor resell of Ecolab products in both the US and Canada. The hierarchical reports show multiple performance graphs, rolling 24 over months and can be drilled for detail data.
- Development of SSRS reports replacing Access Database VBA applications. The new SSRS reports are capable of exporting to MS Excel the same as the Access VBA output.

CENEX HARVEST STATES, INC. - SENIOR CONSULTANT

June 2014 – March 2016

Senior consultant offering solutions architect, ETL development, reporting and production support services for a number of business units.

- Architect, analyst and development resource to address needs across a number Cenex business units. Architect and developer of Terminal Position Automation Data mart. This data mart provides a reporting environment for propane shipment and consumption for the entire Midwest. Railcar and trucks automatically report shipments while customer contracts and lift is captured. Customer invoicing is transmitted along with contractual data from JD Edwards Accounting system. Datamart is 100% automated to provide business representatives with a just in time propane inventory view.
- Development of ETL to pull vendor agriculture data into the enterprise data warehouse. SSIS packages developed to populate 8 dimension tables and 4 fact tables. ETL developed to allow clean data into the Data Warehouse while non conforming data written to processing error log for manual intervention.
- Architect / developer of SSAS cubes reflecting daily agriculture commodity position reporting. SSAS cube supports the business hierarchy, commodity, future and present positions via date dimension. SSIS packages populate the dimension and fact tables daily, along with cube processing each night.
- Development of ETL in ODS to view refined fuels customer contractual commitment to actual lift and invoice for compliance purposes. Data pulled from JD Edwards and Microsoft CRM. SSRS Reporting.

DUANE JURGENS

Development of SSIS ETL as well as SSRS reports with the credit processing group. Maintenance MVC coding for business and client credit card processing applications.

BLUESTEM BRANDS, INC. - SENIOR CONSULTANT

June 2011 – June 2014

Senior consultant responsible for the architecture, development, production readiness and implementation of key enterprise solutions.

- Architect, developer and production turnover of multiple Credit Collections applications. The applications developed in SQL Server SSIS 2008 utilize XML messaging across MSMQ connections to update data on our First Data vendor host.
- Architect, developer and implementer of a SOX Compliance solution to offer transparent visibility to all process execution results, target audience external auditors. Conversion of 300+ SQL Agent processes to Active Batch (ASIC). Integration of process failure notification with HP Service Management. Modeling and SSIS development of a reporting repository to hold all Active Batch execution results merged with HP Service Management. SSRS (2008) reports developed providing transparent visibility of enterprise process execution, tracking failures back to HPSM Incident Tickets for resolution management.
- Migration of Enterprise Servers from 2005 SQL Server to 2008 SQL Server. Conversion of DTS packages to 2008 SSIS as well as the conversion of SQL Agent jobs to Active Batch.

MARKETING ARCHITECTS, INC. - SENIOR DEVELOPER

August 2008 – April 2011

Senior developer responsible for the development and support of enterprise applications based on SQL Server 2008 / 2005 RDBMS technology.

- Development and deployment of Transact SQL, SSIS and SSRS code used to support a customer facing Web site. Hundreds of stored procedures developed to provide call related metrics and attributes to the customer. SSIS packages developed to synchronize data from internal voice recognition and CRM systems. SSRS reports developed to internally reconcile customer facing data to internally support applications.
- Deployment and support of MS Service Broker to route call data from IVR (co-located) servers to multiple servers. Coexistence between servers servicing our extensive phone network back to our CRM server and reporting servers on a near real-time basis.

INGENIX, INC. (UNITEDHEALTH GROUP) - SENIOR MANAGER

October 2007 – August 2008

Senior Manager who formed a team of 18 professionals to productionalize and manage the day of 5 data mart applications.

- Manager of production team responsible for the function of 5 clinical applications in a high availability environment. Applications provide quality and cost designation against physician and facility performance, promoted to the Internet for member consumption.
- Management of 10 SQL Server 2000 production / UAT systems. Technology support for Datastage (Parallel Edition), DTS packages, Autosys scheduling automation, and ASP and C# Web Application.

RBC DAIN, INC. - CONSULTANT

February 2007 – October 2007

Architect and Development lead commissioned to re-architect a highly visible executive level datamart within the RBC Dain Market Research group.

- Participate in the business analysis and architecture of the Market Research Data Mart. Data Mart supports 7 subject areas, centered on client account, household and financial consultant.
- Developer working on a Firstlogic (now owned by Business Objects) household application. The application performs address correction, and then consolidates accounts based on name, address, phone and social security number.

WELLS FARGO, INC. - Consultant

January 1999 – November 1999, April 2000 – February 2007

Multiple engagements. Recruited to assist in delivering a new enterprise DB2 (UDB EEE) Data Warehouse solution for the Mortgage Division. Liaised between Microstrategy, IBM, Knights Bridge, and Cytek vendors to design and implement architecture to capture key mortgage and customer data and resolve retention issue on refinance initiatives.

DUANE JURGENS

- Led the architecture, development, and delivery of Goldrush, a DB2 (UDB EEE) Data Mart based solution to provide marketing groups with a means to define retention marketing strategies to retain key customers. The star schema Data Mart delivery includes sophisticated fact table aggregation and metric ranging.
- Effectively deployed and integrated Unica's Affinium marketing tool onto Data Mart to support Waterfall marketing to the customer base. Solution was recognized for increasing overall refinance revenue from \$3M to \$6M within 2.5 years; and was successfully capturing \$7M per month in earnings within 3 months.
- Senior Developer accountable for leading all efforts to design and develop a middleware (C language) solution to replace costly solution recommended by Sybase Professional Services organization. Designed, developed and integrated the Transformation Server application (Sybase Open Server / Open Client technology) to automatically accept and transmit replicated loan origination data from Sybase database to legacy server.

CHRONIMED, INC. - CONSULTANT

August 1996 – November 1997, September 1999- March 2000

Multiple engagements, originally brought in to oversee the configuration of UNIX infrastructure to increase performance mission-critical transactional Sybase Order Entry System. Tuned the UNIX operating and memory/CPU allocation on the Sybase database engine; and implemented row-level locking to replace existing page-level locking.

- Performance improvement of flagship OLTP Order Entry system by 20%. Successfully tuned OLTP application to take advantage of Sybase 11.9.2 server environment to deliver data, index and log caching functionality.

HONEYWELL, INC.

September 1998 – September 1999, March 1997 – December 1998, September 1992 – June 1995

Built an impressive record of achievements through multiple consulting engagements across 5 years. Recruited to newly established 7-member Consulting Team to provide technical expertise and leadership to various business units implementing Role initiatives.

- Core member of team accountable for assisting in the deployment of ORACLE automation (Forms, PL/SQL, SQL Load) to replace legacy Ingress applications for the Home and Building Division. Led all efforts to deploy new ORACLE environment, and effectively migrate data to new Financial and Manufacturing modules. Solution provided management with a means to capture and report on critical data.

Lead Analyst in implementation IBS high-availability centralized monitoring application and redundant fail-over system to support newly established centralized residential and commercial physical security monitoring facility, based on IBM RS6000 hardware with SYBASE hardware.

- Chosen to research, recommend, and implement next-generation hardware configuration for the monitoring environment. Evaluated products, gathered RFPs, selected solution, and oversaw the design and implementation of new RAID 5 DASD architecture, consisting of IBM RS6000 systems and highly available Clarion RAID. Upgrade of SYBASE from 11.2 to 11.9.2. Architecture effectively increased availability of hardware from 95% to 99%, and minimized support and hardware costs.

NORTHWEST AIRLINES, INC.

June 1995 – April 1997

Core member of team accountable for architecting, developing and implementing an Image Management System to replace Filenet based service. Created a proof-of-concept prototype, and led the deployment of new hardware to support new system utilizing SYBASE on a Sun server managing 1.2 Terabytes of RAID 5 disk and 10 Terabytes of DLT tape technology.

EDUCATION AND CREDENTIALS

Master of Business Administration (MBA)

UNIVERSITY OF MINNESOTA CARLSON SCHOOL OF MANAGEMENT, Minnesota, MN

Bachelor of Science in Computer Science

UNIVERSITY OF MINNESOTA INSTITUTE OF TECHNOLOGY, Minnesota, MN