

DUANE JURGENS

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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:

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

Technology Proficiency:

- Power BI Development
- AWS / Redshift / Airflow / Python
- Azure Data Factory
- Oracle PL/SQL
- IFS ERP, Pivotal Systems
- MS Stack (SSIS, SSRS, SSAS, MVC .Net)
- Datastage ETL
- SQL Server Transact SQL
- Teradata Multiset and Infopump development
- Microsoft Dynamics

PROFESSIONAL EXPERIENCE

LEGENGE, INC. - SENIOR CONSULTANT

July 2023 – Present

Build out from scratch a dimensional data warehouse in Microsoft Azure. Primary source is IFS ERP based in the Oracle Cloud. Deengineering of Oracle views and packages to form warehouse dimensional model. IFS roll out to 22 companies under Legence. Reporting provided by Power BI.

- Temporary Data Warehouse (pipeline instance) built on Azure SQL Instance. For speed of delivery IFS tables replicated from Oracle Cloud to SQL Server through SSIS, Transact SQL and SQL Agent. More than 100 tables replicated to Azure allowing for the development and delivery to production of Service, Finance and Executive Power BI Reports.
- Power BI reports built for Finance, Service, Program Management and Executives. Reports include Finance (General Ledger Trial Balance, AR/AP Aging, Billing Support, and Customer Invoice Analysis), Service (Contract Pricing, Contract Cost, Contract Revenue and Work Order Analysis), Program Management (Job Cost Detail, Material and Labor Detail), Executive (Purchase Order Audit, Rate Agreement Audit, Billed hours Audit).
- Deengineering of IFS data model to build a dimensional data model. Oracle Cloud views and packages analyzed to drive a 120 dimension, 35 fact table data warehouse. Warehouse hosted in Microsoft Azure Fabric with Data Factory as the tool to provide ETL.

MARKETING ARCHITECTS, INC. - SENIOR CONSULTANT

June 2022 – June 2023
September 2020 – May 2021
August 2008 – April 2011

Multiple engagements, Architect and Developer for an ERP Data Migration from Pivotal Systems to an in-house solution. Successful ERP Data Migration completed in 15 months. Responsible for the Design, Development and Implementation of an enhanced Media Buying Platform. Enhancement of Business Continuity plan.

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- Design and development of Transact SQL / SSIS to add Nielsen Audience / Universe data, reach and frequency, 3 and 6 week averages to Media Buying Platform as part of an 18 month upgrade. Addition of Samba Connect and SMI market data to platform as well.
- ERP migration from Pivotal Systems to in-house solution. Lead in the analysis of project, data architect for the replacement solution. Development of coexistence SSIS packages, Transact SQL development for new ERP solution. Provided a solution to allow for a blended Pivotal / in-house solution providing a soft production roll out. Successful migration of Pivotal System ERP to in-house solution in 15 months.
- Development of a Data Retention process (Transact SQL) for multiple applications. Archival of data across 100s of tables, tracking the archival and allowing for an automated approach to continued archival.
- 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 packages to process industry A4 invoices along with an SSRS series of reports to reconcile invoices to actual business activity.
- 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.

WINNEBAGO, INC. - SENIOR CONSULTANT

June 2021 – May 2022

ERP Data Migration in the phased implementation of Microsoft Dynamics. Analysis of Dynamics Data Dictionary, development of Data Factory pipeline to extract Data Lake data to on premise servers. Development of Power BI reporting related to the rollout of MS Dynamics and legacy AX 2012 platforms.

- Supply chain. Development of ETL to pull rolling 52 weeks gross requirements and open orders from MS Dynamics and AX 2012 platforms populating the Data Warehouse Dimensional Model. Development of Power BI reports showing future part requirements, ETL (via SSIS) to output individual vendor requirements to Excel delivered directly to vendors on a weekly basis.
- Financial audit. Development of Data Factory pipeline to pull MS Dynamics data sourcing SSIS packages feeding the Data Warehouse. Reports developed for WIP Reconciliation, Perpetual Inventory Cycle Count and General Ledger Voucher Reconciliation.
- Manufacturing support. Analysis, development of data integration of Mainframe and MS Dynamics General Ledger Journal and Parts data hierarchy via SSIS, populating the Data Warehouse allowing for Power BI reports showing Production Order, Transfer Order and Yield Journal performance.

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 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 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.

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- 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.

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.

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.
- 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. 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

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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.

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.

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.

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.

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.

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.

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