

# RONALDLEE EJALU

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## TECHNICAL SKILLS:

### Microsoft Technologies:

SQL Server 2008/2012 Integration Services (SSIS), SQL Server 2008/2012 Analysis Services (SSAS), SQL Server 2008/2012/2016 Reporting Services (SSRS), Microsoft Office SharePoint Server 2007/2010, Microsoft Performance Point Server, Microsoft Visio

### Databases:

MS SQL Server 2000/2005/2008/2008R2/2012, Oracle 8i/9i/10g/11g, DB2, MYSQL, Postgres

### Software:

Pentaho BI Suite including Pentaho Data Integration, Report Designer, User Console, Schema Work Bench, and Analyzer. Also SQL Server Business Intelligence Development Studio, Team Foundation Server TFS, iWay(ISM), iWay(DQC), Informatica, iWay Data Migrator, SQL Server Data Tools, Visual Studio 2010/2012, Tableau, Amazon Web Services, , Big data/Hadoop, github.

### Scripting Languages:

Python 2.7, Java script and Java.

### Query Languages:

T-SQL, MDX, SQL, PL/SQL, XML/XSD.

### Certifications:

- MCDBA
- Linux Certified Professional.
- ITIL
- Informatica Power Center 8.X/9.0 Level 1 Developer

### Business Intelligence Master's Program

08/2011-04/2012

SetFocus, LLC – [www.setfocus.com](http://www.setfocus.com)

The SetFocus Business Intelligence Master's Program is an intensive, hands-on, project oriented program where participants add knowledge of and valuable experience putting the Business Intelligence skill set to use in a simulated work environment.

- Implemented a Labor Analysis Business Intelligence solution for a national construction company.
- Existing data from diverse data sources were consolidated into a uniform SQL Server 2008 database. ETL capabilities of SSIS were used to define imports of data, build scheduling packages, define integration flow, log data error exceptions and orphaned data and to define Database Maintenance Plans and send emails.
- Created cubes, dimensions, and business critical KPIs using SSAS representing aggregations in different ways - hierarchically and using custom groupings, that the company will use to analyze performance. Created MDX queries according to business requirements.
- Developed detail and summary reports, line and pie charts, trend analysis reports and sub-reports according to business requirements using SSRS.
- Implemented Business Intelligence dashboards using MOSS 2007 Report Center and Excel Services producing different summary results based on user view and role membership.
- Created score cards using MS Office Performance Point Server 2007 Dashboard Designer that feature executive summary measures for revenue, overhead costs, material purchases, labor and profitability trends for a construction company extracting data from SQL Server 2008 OLAP data source and deployed to SharePoint sites. The dashboards also contain pages to view performance by employee, by region, and by quarter enabling end-users to make filter selections.

- Key product areas utilized also include data modeling, SSRS report subscriptions and data driven subscriptions, SSAS analysis services processing tasks, cube processing options and roles.
- Studied and reviewed application of Kimball data warehouse methodology across various industries. Worked with data-handling scenarios, such as multiple hierarchies, data-driven KPI goals, sourced either from dimension attributes or fact tables, handling Type-2 slowly changing dimensions. Possess solid knowledge of writing, tuning and optimizing T-SQL queries.

## **PROFESSIONAL EXPERIENCE**

### **Synergies Plus resources**

#### **Contract-Senior Data Warehousing Engineer**

**01/2017-03/2017**

- Designed and implemented executive reports using SSRS; created SharePoint subscriptions to automate the rendering of these reports to the different business stakeholders.
- Used SSIS to load data from the Competitor Source system into the Enterprise Data Warehouse.
- Using SQL Server Analysis Services to add fact tables and dimensions to the Analytical cubes; created dimension usage relationship between the different dimensions and the associated measure groups.
- Using SSAS, I designed and implemented dimension hierarchies and cube partitions to optimize the cube performance.
- Performed complex adhoc sql and mdx queries when immediate data access was required.

### **Camelot Venture Group**

#### **Sr.Data Warehouse/BI Developer**

**02/2014 – 01/2017**

- Architected the entire EDW Architecture right from the source systems through Landing and Staging the data within Postgres Amazon RDS.
- Responsible for all the daily, weekly and monthly operational reporting at Sharperimage.
- Currently using Pentaho's open source Business Intelligence Suite to drive business analytics.
- Comprehensive operational and management reporting migration from Python to Pentaho.
- Architecture design, installation and setup of the Pentaho Data Integration server and patching.
- Working directly with the business team to develop both the logical and physical database administration functions and also assisted in the development of data logistics environment.
- Implemented a disaster recovery and execution plan.
- Designed, Implemented and maintained high availability solutions with particular focus on database replication within Amazon RDS environment.
- Carrying out Data Modelling for both OLTP and Data Warehousing applications.
- Working with custom script languages such as python, Javascript for custom applications.
- Carrying out PostgreSQL performance Tuning, High Availability, Backup and restore and other general DBA tasks.
- Developed complex stored procedures to incorporate all the business rules that are executed by the Pentaho.
- Responsible for solving all the source Systems data anomalies through profiling and resolving all data quality incidents.
- Used the IBM Coremetrics Weekly visitors data to the Sharper Image website to derive the conversion of a given a product.

**HFHS Client/CSC, Rochester Hills, Michigan**  
**EDW Professional Applications Engineer**

**02/2012 – 01/2014**

- Worked on the Data Acquisition and Version Engine (DAVE) backend development; DAVE loaded data from a very large number of source tables to a very large number of target tables. This engine was being built on the SQL Server platform and the .NET Framework environment; it contained the metadata and processes that controlled all of the data movement in the proposed entire Henry Ford Health System EDW environment.
- I designed and implemented dynamic SSIS packages that read schema, columns, constraints, tables, database information using the Information Schema Views in SQL Server. All this information was imported into the ETL meta data database to allow automated Landing and Staging of Source system data, automated schema change audits and automated data audits, load process logging etc.
- Using the primary keys and an MD5 hash value for the first 500 Million records in the Source tables and comparing those records with the current record set in the PSA, I designed and implemented a dynamic SSIS package that did the comparison between the different Source tables and PSA tables and any missing records or missing updates to the existing records were logged for review.
- Developed Stored Procedures, Functions (UFD), Views and Triggers to enforce the business rules.
- Setup Profiler Traces, Analyze and replay Profiler Traces for Performance and long running queries.
- Experience in Utilizing ETL Tools including SSIS, DTS, Informatica and IBI-Iway..
- I worked on the Financial Decision Support System proof of concept extracting, transforming and loading payroll and GL data from the People Soft environment into the Financial Decision support system using iWay Data Migrator and SSIS to help streamline the coordinated care across all Henry Ford Health System (HFHS) entities (from the physician's office..... to the hospital.....to post-acute settings and the patient's own home) hence helping the care team to deliver high quality outcomes and better health.
- Used iWay Service Manager (iSM) to automate and schedule the extraction of payroll and GL data from the Epsi Cost Manager database into pipe delimited files that were sent to Allscripts either bi-weekly or monthly.
- Using iSM I implemented a Channel that invoked other services to extract data from Epsi Cost Manager database into the pipe delimited files, this Channel used a Java object file where all the required process flow(s) (services) parameters were read at runtime using the sregs (System Register Sets) and a relational database high water mark listener.
- Designed and implemented a medical device Interface integration application using iWay Service Manager that receives medical device data from iSirona systems, this data is sent to EPIC via an HL7 interface though it is not stored in EPIC. This iSM application captures and stores all the medical device data in a real-time TCP feed over a designated port providing a repository of data that can be correlated with other clinical events recorded and other data in the proposed EDW. This data is used for research and analysis beyond the information stored in the permanent patient medical record.
- In order to standardize patient's claims across the Henry Ford Health System enterprise, I ran multiple data profiles to determine the masking of claims data that was extracted from the different source systems into the Enterprise Data Warehouse.

**GM/Siemens PLM Software, Troy, Michigan**  
**Business Intelligence Consultant**

**5/2011 - 01/2012**

- Performed complex adhoc SQL and MDX queries when immediate data access was required.
- Developed and implemented Cube reports using SSRS 2008 that were integrated with context data from the different source systems using the lookup function; these reports acted as a monthly score cards that defined the quality of the vehicle at a plant in a body shop over a period of time.
- Provided end user training to educate business users on how to use Power Pivot functionality for Self Service Business Intelligence.
- Worked on the migration of the Report Server from SQL Server 2008 to SQL Server 2008 R2 in the DPV testing lab before the production team could do the migration in the production environment; this was done to ensure

minimal business interruption.

- Implemented and documented the required procedures for extracting statistical measurement data out of the GMNA cubes for the monthly DPV cross cube reports.
- Developed, tested, secured, scheduled and maintained SSIS packages that imported data from the different GM source systems (SQL Server, Oracle, Excel Source files, flat files, XML) into the Plant Cubes for daily, quarterly and monthly dimensional quality reporting.
- Providing 24\*7 on-call support for the Critical issues.
- Using various SSIS tasks such as Lookup, Conditional Split, Derived Column on the data retrieved, performed Data Validation Checks during Staging, and then load the data into Plant Cubes.

**Systems Analyst – Data  
BCBSM/S3 , Detroit, Michigan**

**04/2010-05/2011**

- Worked on the Early Retiree Reinsurance Program Data Feeds which was part of the National Health Care Reform, a long term project providing medical and Pharmacy claims data feeds to eligible groups that wished to participate in this program upon request where they submitted claims to the U.S Department of Health and Human Services for reimbursement in addition to subsequent payouts from HHS. This program allowed plan sponsors of an employment-based health plan to get reimbursed for some of the health care costs incurred by pre-Medicare retirees age 55 to 64 and their dependents.
- Extracted claims data from the Enterprise Data Warehouse (EDW) into delimited text files that were imported into SQL Server tables using SQL Server Integration Services for quality review to make sure that field names were well aligned with the expected data values.
- Extracted data from a variety of SQL environments (e.g. MS SQL Server, Oracle, DB2) for internal business use or transfer to external vendors.
- Wrote complex SQL, SAS and/or Access queries.
- I performed analysis on medical and pharmacy claims data. Developed in-depth understanding of a variety of Medicare Advantage files, both their technical design and the meaning of fields and values within these fields.
- Worked closely with business stakeholders to understand business requirements, developed technical solution to meet business needs both for short-term, ad-hoc

**EDUCATION**

**Master of Science, Computer Science**

**012007**

Makerere University, Kampala, Ug

**Bachelors of Science, Statistics**

**10/2003**

Makerere University, Kampala, Ug

*Published articles*

**Entrepreneur, Infectious Diseases Institute (IDI)  
Kampala, Ug**

**01/2007 – 01/2009**

**A Web Based Data Mart System for Patient Care**

<https://drive.google.com/file/d/0Bx7DMPxCDVQmY0s1T0FpbUINc3UxNEITZGxiSFg2UXImSnE4/view?usp=sharing>

**List of professional references**

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