Vincent Yu

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Senior **Cloud Data** Specialist with **20+** years of experience in solution design and deployment of **Azure Could**, **Business Intelligence**, **Data Warehouse**, **Big Data** and **Data Science**.

EXPERTISE

- ✓ **BI MicroStrategy Administration**
- ✓ **ETL Solution** Design
- ✓ **Report/Dashboard/Mobile** Design
- ✓ Data Science – Predictive Analysis
- ✓ **Azure Cloud**
- ✓ **Datawarehouse** Architecture design
- ✓ HortonWorks **DataHub** / GCP Bigquery
- ✓ Process & Workflow **Automation**

QUALIFICATIONS

- Strong capability to work simultaneously on multiple projects in **agile way**.
- **Out of box** and **creative thinking**, self-motivated, excellent analytical and **problem solving** skills.
- Exceptional ability to establish a **high level of trust with clients** and ensure that business objectives are met.
- Proven experience in **mentor** to assign tasks and train team members & offshores.

TECH SKILLS

- Cloud: **Azure Data Lake Analytics, Stream Analytics, Azure SQL DW, HDInsight/ Databricks, GCP Bigquery**
- BI Design: **Microsoft SSAS, Power BI,** MicroStrategy 2019, SAP BOXI 4.0, Tableau
- Data Modeling Tools: **Erwin 4.0, 8.2;** Relational, Dimensional modeling, DW, DM, RDS design
- ETL: **Azure DMS**, **Azure Data Factory**, **ADLS**, **SSIS, Stored Procedure, PLSQL, Informatica**, **Datastage**, BODS
- Big Data: **Hadoop Datahub**, HDFS, **Hive**, **Spark**, Bitbucket, **Shell scripting**
- Data Science: **MSFT Azure Machine Learning**, **Python** 3.5, R, Scala
- MDM, Data Quality Tools: **Ataccama**
- Databases: **Azure SQL DW**, **Teradata15.1**, **Oracle** 11i, MS **SQL Server** 2014 R2, DB2 9.1, Netezza 3.0, Redbrick
- Orchestrations Tools: **Azure Data Factory(ADF) V2**, **Autosys**, Active Batch
- Project Tools: **Jira**, **Confluence**, **Service Now**, Remedy Incident Management

SOLUTION HIGHLIGHT – Time Series Modeling

Innovated modeling solution for time transformation, which has been implemented on SQL Server, MicroStrategy, BOXI platform in Loblaw and Kinross. It largely reduced number of SQL passes and improved flexibilities & efficiencies in Time Series BI Analysis

PROFESSIONAL EXPERIENCE

Company	Position	Location	Date
AIR CANADA	Sr. Cloud Data Engineer	Montreal, QC	Aug 2021 - Present
MOH, EHS	Azure Consultant	North York, ON	Jun 2020 – Aug 2021
PC Financial	BI Consultant	Toronto, ON	Apr 2020 – Jun 2020
LOBLAW	Giant Tiger	Sr. Solution Architect via Adastra Group	Brampton	Ottawa	Apr 2016 – Apr 2020
Kinross	Sr. BI Consultant via Adastra Group	Toronto, ON	Mar 2013 – Apr 2016
LOBLAW	BI Data Architect	Brampton, ON	Jun 2008 – Mar 2013
Cancer Care Ontario	ETL / Informatica Consultant	Markham, Ontario	Jan 2008 – Jun 2008
Shoppers Drug Mart	MicroStrategy Admin, DB Analyst	Toronto, Ontario	Feb 2005 – Jan 2008
Canon China Co., Ltd	Analyst Programmer	China	Jul 2003 – Nov 2004
Newland Soft Co., Ltd	Data Architect	China	Jul 2002 – Jul 2003
Seiyu Singapore PTE, Ltd	System Analyst	Singapore	Dec 1998 – Jun 2002

Air Canada – Sr. Azure Data Engineer   Aug 2021 - current

KILO Project – CRM Loyalty DW ETL, Pipeline design on Azure cloud
- Technical lead to manage co-brand ELT feed from databricks to snowflake using pyspark and python

ARGO Project – Teradata data migration to Azure cloud snowflake

ARGO Project – Salesview and passenger data re-design and migration to cloud snowflake

Ministry of Health - Business Intelligence – Azure Consultant   **Jun 2020 – Aug 2021**

DSSAD Project - Near Real Time Reporting Database Design & ETL Development
- Interpret and analyze requirement of Emergency Health Services vehicle dispatching system into technical design, integrate vehicle, incident and status information into one central source for real time, point in time and trending analytics.
- Near real time reporting Infrastructure, data modeling and parameterized data flow design with Azure Cloud based resources
- Design and implement Streaming Analytic Jobs to send CDC Data from premise server to Azure SQL DB through Debezium agent and Azure Event Hub for near real-time reporting , from end to end within 15 secs using Streaming Analytics Query, Trigger, Stored Procedure and Data Factory
- Manage daily DEV/QA update meeting, work with an agile team to design, implement, test and support technical solutions across a full stack of technologies, including Streaming Analytic Query, Javascript functions, Azure Portal, Azure Storage Account, ARM, Azure functions, Azure Logic App and Data Factory, GitHub and AzureDevOps
- Recommend, Design and construct policies and standards that impact infrastructure BI services but also improve overall technical and business performance.

Environment: Azure Cloud, Debezium, Azure Event Hub, SA Query, Data Factory II, Azure SQL DB, Stored Procedure, Trigger, Power BI

PC Financial – BI Consultant   **Apr 2020 – Jun 2020**

KYC Report Design & Development – Migration from SAS & Web Report
- Designed Key Customer Report to retrieve customer data from multi Oracle databases on MicroStrategy 2020 platform
- Special designed schema objects for attribute information retrieval system
- Fully customized BI document to fulfill complex display conditions to match with programmable web report.

Environment: Oracle, MicroStrategy 2020

Loblaw - Business Intelligence - Senior Solutions Architect   **Apr 2016 – Apr 2020**

Azure Migration Engineering
- Architect & implement medium to large scale BI solutions on Azure using Azure Data Platform services (Azure Data Lake, Data Factory, Data Lake Analytics, Stream Analytics, Azure SQL DW, HDInsight/Databricks)
- Recreating existing application logic and functionality in the Azure Data Lake, Data Factory, SQL Database and SQL Datawarehouse environment. experience in DWH/BI project implementation using Azure Data Factory
- Architect and implement ETL and data movement solutions using Azure Data Factory, SSIS Package ADF V2 Azure-SSIS IR
- Experience managing Azure Data Lakes (ADLS) and Data Lake Analytics and an understanding of how to integrate with other Azure Services. Knowledge of USQL and how it can be used for data transformation as part of a cloud data integration strategy
- Designs Logical and Physical Data Model for Staging, DWH and Data Mart layer.
- Migration of on premise SQL Server DW to Azure Data Lake Store(ADLS) using Azure Data Factory (ADF V2).
- Work within and across Agile teams to design, implement, test and support technical solutions across a full stack of technologies
- Deploying Azure Resource Manager JSON Templates from PowerShell worked on Azure suite: Azure SQL Database, Azure Data Lake, Azure Data Factory, Azure SQL Data Warehouse, Azure Analysis Service
- Design Setup maintain Administrator the Azure SQL Database, Azure Analysis Service, Azure SQL Data warehouse, Azure Data Factory, Azure SQL Data warehouse
- Worked on SQL Server Integration Services (SSIS), SSAS, SSRS, T-SQL skills, stored procedures and triggers

Data Visualization – SSAS Power BI Dashboard
- Loblaw Operation Intelligence Mobile Dashboard design using Microsoft SSAS, Power BI and Azure SQL DW to deliver Top 4 store reports which includes Centre Store KPI, Variance to Target and Sales penetration etc.
- Used various sources to pull data into Power BI such as SQL Server, Excel, Oracle, SQL Azure etc.
- Build Complex distributed systems involving huge amount data handling, collecting metrics building data pipeline and Analytics
- Engage with business users to gather requirements, design visualizations and provide training for Power BI tools.

Hadoop, MicroStrategy Projects
- Loblaw loyalty Points Program BI reporting design, development & support for Finance Department which cover Point Issuance & Redemption, Store PCO Points Penetration, Vendor Points Issuance and PCO Campaign analysis
- PC Optimum Points Program - Loblaw Loyalty Program Datahub model design and solution implementation using HDFS, Hive, Spark and Autosys on (HortonWorks) Hadoop provided by Teradata.
- PCO Loyalty Insider Program Data Hub solution design from digital portal (Eagle Eye) → Hadoop → Teradata → Reporting and

External data extract for real time points inquiry website.
- Loblaw Report/Dashboard conversion from SAP BOXI to MicroStrategy for Store, PMO, TAX and Supply Chain
- Loblaw Store Report Email and Printing Distribution Services delivery to 1500 stores using dynamic address table; Delivered flexible solution to control the group of emails distributed to ease the performance bottleneck.

Environment: MSFT Azure Could, Linux SUSE 11, Hortonworks, Hive, Spark, GCP, Jira, Microsoft Power BI, MicroStrategy 2019, BOXI 4.0, Autosys, Teradata 15.1, DB2 9.2, Redbrick 6.2, Netezza 3.5

Giant Tiger - DC Management MicroStrategy Dashboard – Senior BI Solutions Architect

Supply Chain DC Inventory Management   **Mar 2019 - May 2019**
- Led project with a team of BA, DA, ETL and offshore in building and presenting Proof of Concept, Data Investigation
- Design and implemented KPI Definition, which focus on DC Capacity, Inventory Aging and In/Out bound Analysis
- Delivered Teradata Semantic Layer Design, MicroStrategy Schema Design, Dashboard Design & Quality Control.

MicroStrategy platform administration training to GT BI Team   **Jan 2014**
- Four-day administration training covers server and project configuration, Enterprise Statistic usage, performance tuning, Cache management, security setup and metadata housekeeping strategy etc.

Environment: MicroStrategy, Teradata 15.1, Jira for Agile Project Management

Kinross Gold Corporation - Senior SQL Server & MicroStrategy Consultant   **Mar 2013 - Apr 2016**

SQL Server – Data Processing - TSQL Stored Procedure, SSIS
- **Operational Application design**, development using MicroStrategy **Transaction Services** & TSQL Stored Procedure
- Relational Database and Data Warehouse KPI dimension modeling & ETL solution design for Chile & Brazil mining site
- Created customized **TSQL Stored procedure ETL** scripts for star schema table population and time transformation logic applying to reduce development effort and maintenance cost.

BI Document, Mobile Dashboard Design & Development
- Enterprise level **Budget & Forecasting** data collection, integration into reporting model for actual vs target calculation
- MicroStrategy **Dashboard and Mobile analytics** design and implementation for Chile Mining Management, Paracatu Production Management, Internal Audit for Expense Control and KLMS licenses & Agreement management.
- JDE system **MDM Data Quality** Analysis – Item Mast cleaning up and improvement of monitoring and control using BODS, Ataccama and MicroStrategy dashboard.

Environment: Windows 2008, SQL Server 2008 R2, SSRS, SSIS, SAP BODS, Active Batch, Microsoft Sharepoint, Micro Strategy 9.4, VBA, VB Script

Loblaw - Business Intelligence – Senior BI Specialist   **Jun 2008 - Mar 2013**

SAP Business Objects (BOXI 4.0)
- SAP Business Object Universe / Report and dashboard design, development and deployment, converted hundreds of reports from MicroStrategy 9.4 to BOXI 4.0 including Sales Audit, Store Operation, Inventory Management & GL.
- SAP BOXI Track 3 Production Release Principle in Charge to support intensive defect identification, analyzing and solution to make troubleshooting and release ready in a quick turnaround manner.
- SAP Business Object Time Transformation Solution Mentor of Cognizant Architects & Accenture offshore resource
- SAP integration Infrastructure design and Implementation for MicroStrategy platform such as integration with SAP BW, Data Layer Security Design, SAP Portal Integration and translation solution delivery etc.

MicroStrategy Platform Administration & Development (9.4)
   MicroStrategy Document /Report architecture design, development and implementation for various projects
- MicroStrategy semantic layer - Teradata View design and implementation for dashboard design, Operational Reporting and Business Analysis purpose
- MicroStrategy Environment Administration, Optimization & Tuning which cover platform monitoring, usage statistic, cache management, objects housekeeping, security setup, performance improvement, migration, upgrading
- MicroStrategy Platform Upgrade from 8.0.0 to 8.1.1 Universal Clustering; Metadata DB/DW migration from SQL Server to Oracle
- MicroStrategy Enterprise Manager Data Migration Planning; ETL solution design and implementation.
- MicroStrategy Report Delivery Environment planning, design and implementation
- MicroStrategy Narrowcast Customized Monitoring solution design and implementation

- MicroStrategy Narrowcast Dynamic subscription set delivery to SharePoint design and setup
- MicroStrategy Event Based Scheduling and Services solution design, development and implementation.
- Mockup data population ETL design and implementation in Teradata to feed Proof of Concept need of MicroStrategy

Environment: AIX5.3, MicroStrategy 8.1 to 9.21, SAP BOXI 4.0, Autosys, Teradata 12, v2r6, SAP Portal 7.01, Java script, Java, MSTR Web, SharePoint

Cancer Care Ontario - Business Intelligence – BI Consultant   Jan 2008 - Jun 2008

Geography - Conform Dimension and Linking Projects (ETL: Informatica & PLSQL)
- Participate in analysis, design, development and testing of conformed Geography Dimension ETL Solution
- ETL component developments include informatica mapping, UNIX scripts and PL/SQL packages, delivered Core Intelligence Engine using script to identify and assign proper Quality Code to defective records.
- ETL solution suggestion largely reduced running time of Quality Code Assigning and improved efficiency by 90%
- Oracle PLSQL Packages & Informatica ETL optimization, Performance Tuning and Quality Assurance.

Environment: MicroStrategy 8.2, Oracle 9i, Solaris Unix, Informatica 8.1.2, TOAD 9

Shoppers Drug Mart - BI Database Analyst   Feb 2005 - Jan 2008

Database & BI platform Administration
- Database administration, performance tuning and scripting of Oracle, DB2 and Redbrick to support Development and QA activities for various data migration projects.
- MicroStrategy Aix Platform environment administration, which covers MicroStrategy user request, security setup, environment configuration, license audit, version upgrade, data migration and object promotion.

BI Solution Design & Implementation
- Gathered BI functional requirements; prepared BI specifications; Designed multidimensional databases; Designed, developed and implemented reporting solution for Daily Sales, Brand Analysis, ZeroIn project and BIDW projects on MicroStrategy platform.
- Participated implementation of data warehouses, data marts deliveries; Worked with business on designing drilldowns/drill-through analysis; Created BI dashboards, cubes, and Ad-hoc reports.

Environment: Netezza 3.0, Informix, Oracle, DB2 9, Redbrick, Informatica 8.1.2, MicroStrategy 8.1.1, HP Unix

Air China - Data Architect   Jul 2003 - Oct 2004
Air China Enterprise Data Warehouse Project using Computer Associate Data Warehouse solution suit

Canon China - AS/400 Developer   Jul 2002 - Jun 2003
Canon JDE business application system maintenance and support

SEIYU Singapore - DW Developer   Dec 1998 - Jun 2002
JDA AS/400 Developer, Data warehouse developer using MicroStrategy, DataStage and DB2

EDUCATION

Bachelor of Engineering Information Management
Harbin University of Science and Technology of China   **1994**

Certificate & Training
Complete Tensorflow 2 and Keras Deep Learning Bootcamp - Udemy	**2021**
Python – Data Science & Machine Learning Training - Udemy	**2020**
GCP Platform Solution Training - Loblaw	**2019**
Microsoft Azure Cloud Training - Loblaw	**2016**
MicroStrategy Certified Engineer Principle Certificate – Shoppers Drug Mart	**2007**