

# Zac Yang

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## Professional Summary

An innovative and result-oriented data engineer is seeking a position as a data engineer and BI developer, proficient with programming tools and a strong background in software engineering and data engineering. Quick learner for new concepts, ideas and technologies

## Technical Skills

**SQL & BI tools:** SSIS, PowerBI, SQL, MS Azure  
**SDLC:** Agile, Scrum, Waterfall, Spiral

**Programming Language:** Java, C#, Python, JavaScript, PowerShell  
**Data Process skills:** ETL ELT, Datawarehouse, Data Modeling

## Professional Experience

### Microsoft (Software Developer through Pactera)

May 2019- now

- Collect the input data sources from PM based on the requirement, understand the data property and validate the sources accuracy.
- Managed large production database servers including backups, disaster recovery and performance tuning with DMVs and system sprocs.
- Wrote SQL queries and sprocs to support internal and external users.
- Analyzed and synthesized large data streams across multiple inputs. Migrated, scheduled ETL data pipeline and related jobs from Cosmos platform to ADF.
- Designed and developed queries and data visualizations for ad-hoc, recurring, troubleshooting requests as well as for ongoing reporting by leveraging SQL, PowerShell, ScopeSDK and AzCopy.
- Implemented, automated ETL pipelines from diverse sources for higher data availability and to create a unified view of quality data for analytics and reporting in Avocado, PowerBI and Lens Explorer.
- Generated data monitor on the destination server via PowerShell to validate data correctness.
- Troubleshoot the data loss issue in cosmos platform via SCOPE and C# logics.

### Conagra Foods (BI developer through Infosys)

May 2018- Apr 2019

- Designed and implemented the whole ETL (Extract, Transform, Load) data process with various transactions within SSIS packages to implement business rules and logics.
- Optimized data connection which loads 800MB data 4 times faster after evaluating the multiple data connections' performance, including direct query mode with SAP HANA and Live connection mode through Azure DataLake.
- Generate PowerBI reports with Star schema. Implemented complex requirements in PowerBI by using DAX.
- Customized XY quadrant chart by using R libraries, featuring time-series animation to facilitate decision-makers explore brands' performance in the market.
- Achieved the data refreshment from SAP HANA with PowerBI API in PowerShell scripts, deployed, automated the scripts on CtrlM Server.
- Enabled Mobile visualization by mobile layout, implemented PowerBI visuals in the Salesforce dashboard with utilized PowerBI JavaScript Embedded Library to respond to client senior leadership's requests.
- Accumulated agile Product Management experience - a full gamut of creating stories, generated PowerBI reports and dashboards, working through user acceptance testing (UAT).
- Wrote various documents such as data mapping document, work detail descriptions for KT session and future developing.

### KHDHC (Database Analyst)

Aug 2013- Apr 2015

- Created data flow diagrams, data mapping documents indicating the source tables, columns, data types, transformations required and business rules to be applied.
- Migrated SSIS package into Snaplogic pipeline for data cleaning, lookup, and ETL solution.
- Developed SSIS packages with variety of transformations such as look up, derived column, conditional split, fuzzy lookup, multicast and data conversion to filter out problematic data.
- Developed data pull and data mining script in Snowflake Data Warehouse for analysis purpose and data request.
- Designed Snaplogic ETL/ELT template for different source to snowflake and SQL Server data loading

## Certificates

- Microsoft Certified: Azure Database Administrator Associate
- Microsoft Certified: Data Analyst Associate