* Built Enterprise data warehouse to migrate data based in legacy tools and application to cloud based platform for a company which provides loan to house buyers.

The benefit of cloud-based migration is to make:

* Make data private and more secure
* Empower users (By making data accessible for all skill level users)
* To achieve faster insights.
* Extracted data from heterogenous data source. All connection managers are parametrized at project level.
* SharePoint ODATA Connection
* Salesforce ODATA Connection
* JSON Source (REST API or File) FTP Connection
* Back Up Folder OLEDB Connection
* JSON Source (REST API or File) AUTH Connection
* Data Base OLED Connection
* Excel EXCEL Connection
* Flat Files Flat File Connection
* Transformed data into desired and consistent format. Performed different transformation operations to aggregate, split, sort, filter, match…etc for modification and data cleaning purpose.
* Loaded data to different targeted destination.
* OLEDB
* Flat File
* Excel Spreadsheet
* Columns of Staging Table is updated using T-SQL stored procedure.
* Created ETL and Error Handling Log Tables withing different packages.
* Configured Email Script task, inside event handler, by using C#,

Challenge Encountered in the project

* Project demanded time resource highly for enormous data type conversion (this is because data was coming from different source).

* Allocated Extra time for data type conversion and verification.
* Choosing Lookup and OLEDB Command Task for big data source as Incremental Load approach. Package execution was extremely slow since update was on row-by-row bases.
* Performance is optimized by using conditional split and Execute SQL task.
* Failure in executing scheduled job to run package execution. This occurred due to expiry of commercial License(trial) for data extracted from Salesforce and SharePoint.
* Commercial license extended for extra usage.
* SQL Server Incompatibility while loading FTP backup folder (Simple Nexus) to SSMS Database.
* Remote folder path changed, and correct folder selected.
* Type Cast error encountered while data type conversion using derived column.
* Cause of the error: inside google spreadsheet (Row#38) inserted wrongly and column value was shifted a cell to right.
* Action Taken: split out from the rest of the values, for cleanup using conditional split task.