

## Data Engineer

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## Professional Synopsis

### Roles and Responsibility

- IT professional having **8.1 years** of experience in **Datawarehouse and BI projects**. Worked on different domains such as **Insurance, Manufacturing plant, Retail, ReInsurance** domain. Worked on cloud services such as **Microsoft Azure Data Factory V2 (ADF), Azure Databricks, Azure Data Lake Storage (ADLS), MS SSIS, Informatica PowerCenter 9x**.
- Worked on **SQL, Python and Pyspark**
- **Creating Pipelines, Workflows and Triggers.**
- Having experience in implementing Azure Data factory pipeline components such as **Integration runtime, linked services, Datasets and Activities.**
- Created notebooks as per business requirements using different languages like pyspark, Python, SQL.
- Worked on **Database like Snowflake, MS SQL Server, Azure SQL DB, Oracle. Optimize the long running SQL queries in Stored procedures.**
- Experience in creating and using various **activities, tasks, pipelines, Stored procedures**, SQL scripts to work on data to extract, migrate and transforming the data into required form. Also generate SQL reports for analysis purpose.
- Worked on various sources, targets such as **ADLS, Parquet, CSV files, JSON, XML and DB tables.**
- Experience in using **Triggers, scheduling pipelines.**
- Providing Statistics and update task status using **Atlassian JIRA** ticketing tool
- Deploying developed modules on DEV, UAT using **Azure Devops by creating PR requests, pushing and committing the changes and release management.**
- **Effective communication** skill with the ability to communicate complex ideas, strong **analytical skill**, ability to identify problems, research issues and provide solutions.
- Working experience in **Agile (Scrum)** methodology.
- Hands on experience in **creating HLD, LLD Designs** of the applications. Designed **Database Schema** Structure and **ERD designs.**
- **Debugging, Performance Tuning and checking logs files** for interpretations and performance optimization.
- Experience on **Unix commands** and Basic Shell Scripting
- Maintaining quality norms throughout the implementation. Performing Unit testing and bug fixing.

## TECHNICAL SKILLS

<b>Cloud technology:</b>	Microsoft Azure, Databricks, Azure Devops
<b>Hands on ETL Tools:</b>	Azure data Factory V2, SSIS, RAGE ETL, Informatica PowerCenter

**Database:** Snowflake, MS SQL Server 18, Azure SQL Database, Oracle 11g  
**Languages:** SQL, Pyspark, Python, C, C++, T-SQL.  
**Server:** JBoss 10 wildfly, Apache Tomcat 6, MS Azure  
**Operating System:** Linux, Windows 7/8/10  
**Scripting Language:** Shell Scripting  
**Ticketing Tool:** Atlassian JIRA

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## WORK EXPERIENCE

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**Current Company Name:** Yash Technologies Pvt Ltd  
**Designation:** Senior Software Engineer  
**Joining Date:** 19/02/2020 – Till Date (4+ Years)

**Company Name:** Genpact Pvt Ltd  
**Designation:** Consultant  
**Joining Date:** 07/01/2016– 12/02/2020 (4.1 Years)

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## ACHIEVEMENTS

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- ✳ Received client appreciation for good work in Yash Technologies Pvt Ltd.
  - ✳ Received promotion in current organization.
  - ✳ Awarded "CEO Excellence Award" and bonus in the Genpact Pvt Ltd
  - ✳ Received Promotion and Appreciation Bonus for good efforts in project.
  - ✳ Secured prizes at National Level Paper presentation.
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## PROJECT WORKED ON

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**1) Project Name:** Thor-Odin Recon  
**Client Name:** Hiscox (US)  
**Team Size:** 25+  
**Duration:** July 2022-till date

Client Name	Hiscox
Project Name	THOR-ODIN Recon (Hiscox USA)
Team Size	25
Role	Data Engineer
Environment/Tool	MS ADF, Databricks, Pyspark, SQL, Azure SQL DB

**Project Details:** To help client with reconciliation of metrics detail values for all the previous years to till date. Help them take better business decisions by analysing the deviations, flaws in the process, time consuming stages. Metrics such as Quotes, Policies, Submission, CIDetailss, Renewables, Earned Premium, etc. are reconciled and different reports are generated based on the data and category.

**Responsibility in Project:**

- Created Pipelines in ADF by using various activities.
- Extracted the Data from ADLS Gen 2, transformed and load the data into Azure SQL DB.
- Created the Databricks Clusters and autoscaling the Cluster configuration while processing the Large Volumes of data.
- Writing the pyspark, sql code in Databricks notebooks to process huge data transformation.
- Creating master pipeline and scheduling the jobs
- Writing sql queries for validating the data with user's report to make sure it has correct match.
- Created stored procedures using Common Table Expression (CTE) and SQL Script to load data in destination table
- Validating the data with user's report to make sure it has correct match.

**2) Project Name: Productivity Cube****Client Name:** Stryker Corporation (USA)**Team Size:** 30**Duration:** (20/05/2020-15/11/2021)

Client Name	Stryker
Project Name	Productivity Cube
Team Size	35
Role	Data Engineer
Environment/Tool	Azure Data Factory V2, ASQL

**Project Description:** Built a Datawarehouse for a medical equipment manufacturing company with the metrics from different plants at different stages which will help them analyse data and in taking business decisions. Help them take better business decisions by analysing the deviations, flaws in the process, time consuming stages. Metrics Leadtime, WIP, Raw Material, Productivity, Manufacturing Loss% etc are calculated using different methods and formulas. Different departments of manufacturing unit generate reports based on the data provided these dashboards.

**Responsibility in Project:**

- Building the pipelines to copy the data from source to destination in Azure DataFactory.
- Creating Pipelines and transforming data using activities with GUI in Azure Data Factory.
- Writing Stored Procedures, SQL queries.
- Worked on creating dependencies of activities in Azure Data factory.
- Creating Stored Procedure and Scheduled them in Azure Environment.
- Successfully creating the Linked Services on the source and as well for the destination servers.
- Scheduling Pipelines and monitoring the data movement from source to destinations.

- Created stored procedures using Common Table Expression (CTE) and SQL Script to load data in destination table
- Validating the data with user's report to make sure it has correct match.

### 3) Project Name: Trade Pay

**Client Name:** Kraft Heinz (North America)

**Team Size:** 48

**Duration:** (10/04/2018 - 07/02/2020)

Client Name	Kraft Heinz
Project Name	Trade Pay
Team Size	40
Role	ETL developer
Environment/Tool	Informatica PC, MS SSMS

**Project Description:** Developed application for a reputed food company's Invoice and contract reconciliation along with payment processing for all its retailers. To develop processes which provide reconciled data of Invoice and Contract of various food products. Also data is reconciled with third party data and accordingly process the payments of the retailers.

Develop Workflows, mappings for the Client requirement which serves for various retailers. Process Invoices of food products which are reconciled with the multiple contracts. The data is also reconciled with the third party data and status is published depending on validation result. Once validation is completed, the case is processed for payments depending on the case status.

#### Responsibility in Project:

- Develop and design Target Designs, Mappings, Sessions, and Workflows.
- Performance Tuning of the developed module.
- Debugging the Workflows using various logs like Session logs, etc.
- Checking for the bottlenecks if any.
- Write SQL queries. In this MS SQL Server Database was used.
- Writing shell scripts and using UNIX commands for operations.
- Unit testing individual modules and end to end testing, bug fixing.
- Deploy the modules on various environment (HST, UAT, PRODUCTION)

### 4) Project Name: Front Desk Automation

**Client Name:** Swiss-Re (Switzerland)

**Team Size:** 6

Client Name	Swiss-Re Insurance Company (Switzerland)
Project Name	Productivity Cube
Team Size	8
Role	ETLs developer

**Project Description:** To automate the processing of cases for both New Insurance and Renewal-insurance. Automate Case processing for World's leading Re-Insurance Company. Developed modules for the Client dealing in Insurance sector which automated the processing of cases that comes from various sources. Files for each case need to be data extracted, validated and processed as per different business logic stated for each subpart. Once processing is completed, end user will be notified with the case status. Functionality was developed for User to change the case Description on UI and depending data will be reprocessed accordingly.

**Responsibility in Project:**

- Develop Mappings, Sessions, and Workflows. Monitor e2e flows of the application.
- Performance Tuning of the developed module.
- Debugging the Workflows using various logs like Session logs, etc.
- Checking for the bottlenecks if any.
- Write SQL queries. In this MS SQL Server Database was used.
- Writing shell scripts and using UNIX commands for operations.
- Unit testing individual modules and end to end testing, bug fixing.
- Deploy the modules on various environment (HST, UAT, PRODUCTION)

**5) Generating Accrual Reports for a Client (POC)**

**Team Size: 4**

**POC Description: To automate accrual calculations and generate reports**

**Description:** Files in various format is extracted. This extracted data is validated against QA checks which are modelled in the process. If QA is Success, then accrual calculations are performed on data and report is generated and sent to the user's email Id.

**Responsibility in Project:**

- Develop and test Process models, Workflows.
- Write SQL queries. In this POC Oracle Database was used.
- Deploy the modules on various environment (DEV, UAT)

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**SCHOLASTICS**

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✳ **Sinhgad's SKN Collage of Engineering, Vadagoan, Pune (Pune University)**

Bachelor of Engineering, Electronics and Telecommunication, May 2014

✳ **SPM Polytechnic(Maharashtra State Board of Technical Education), Solapur**

Diploma, Electronics and Telecommunication, May 2011

✳ **Shri Siddheshwar English Medium High School (MSBTE), Solapur**

Secondary School Certificate Examination, June 2008

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### **STRENGTH**

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- a. Positive work attitude, self-motivated to work independently.
- b. Ability to handle multiple tasks.
- c. Ability to work under pressure
- d. Good team player with good communication skill.

**Declaration:**

I Trupti Mahimkar, hereby declare that the above furnished information is authentic to the best of my knowledge.