Chaitanya P

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(916)-432-3583

PROFESSIONAL SUMMARY:

- ✓ **Snowflake Data Engineer** Having **14+** Years of Experience in **Snowflake, Azure Data Factory, Python, Pyspark, Microsoft BI-SSIS, SSAS, MDX, DAX, PowerBI** & **AAS-Azure Analysis Services**.

- ✓ Expertise in **Snowflake** Data Modelling, Migration & Implementation of **Snowflake Cloud Data Warehouse** Projects.

- ✓ Experienced in **Enterprise Data Management**, **Design** & **Development** of **BigData** Processing solutions using **Snowflake, Azure Data Factory, Pyspark, Python**.

- ✓ Experience of **Data Migration**, **Build EDW** & Centralized **Data Platform** using **Snowflake**, **Azure Data factory, Azure Data Lakes, Azure Logic Apps**.

- ✓ **Snowflake**–Data Modelling, **ELT/ETL** using **Snowflake SQL, Pyhon, ADF** and Implemented Complex **Data Pipelines** and **Stored Procedures** for Transfoming Data, that feed for **Azure Analysis Services** for **Advanced Analytics**.

- ✓ Experience in **Big Data** Processing using **SnowPark**, **Python**-**PySpark**.

- ✓ Experience in **Integration** of **Snowflake, Azure Data Factory, Azure Storages-ADLS & AWS-S3.**

- ✓ Expertise in **Snowflake** Advanced Features like **SnowPipe**, **Streams-CDC**, Resource Monitors, RBAC Controls, Virtual Warehouse Sizing, **Query Performance Tuning**, Zero Copy Clone, Time Travel features....

- ✓ Expertise in **Dynamic SQL Programing**, **Debugging** and **Performance Tuning** of **Stored Procedures**.

- ✓ **Architecting** Data-Related Solutions, **Reformation** & **Restructuring** ELT/ETL Data Flows, **Performance Tuning**, Designing **Custom Logging Mechanism** and Resolving Bottlenecks in the Process Flow.

- ✓ Experience in **Azure Cloud Architectecting** using Azure Services like **Stream Analytics, Event Hub**, **Delta Lake**...

- ✓ Oncology Based Reports generation…Basal Cell Report, Bone & Articular Cartilage, Brain & Nervous System Report, Colorectal Report, Endocrine Report, Esophageal Report, Breast & Breast Without Hormone Report...

- ✓ Experienced in Design & Development of DWH & BI Architecures using MSBI-Microsoft BI Stack SSIS, SSAS, SSRS, Power BI, SQL Server DAX, MDX & Azure Analysis Services-AAS.

- ✓ Experienced in Data & Code Migrations of ETL & BI Projects - Migration of IBM Datastage Jobs to SSIS ETL Packages & Azure Data Factory Pipelines, SSAS Multidimensional-MDX Cubes to SSAS Tabular-DAX Models.

- ✓ Experience in Retail, Health Care, Health Insurance & Telecom Domains.

TECHNICAL SKILLS:

Cloud Technologies	**Snowflake**, **Azure Data Factory-ADF**, SnowPark, Azure Databricks, PySpark, Spark SQL DBT-Data Build Tool, Apache Airflow, Azure Logic Apps, AWS S3 & IICS-Informatica Cloud Data Integration,
BI & ETL Tools	MSBI-Microsoft BI - SSIS, Azure Analysis Services-ASA, SSAS Multidimensional-MDX Cubes, SSAS Tabular-DAX Models, Power BI, SSRS, IBM DataStage,Tableau, Tibco Spotfire & SAS.
Databases	MS SQL Server, Azure Synapse Analytics, Snow Flake, Azure SQL DB, Oracle & MongoDB.
Languages	Python, Pandas, PySark, NumPy, T-SQL, SQL, C#, MDX & DAX, No-SQL & Visual Basic Script.
Other Tools	**MoveIT**, Dbeaver, Service Now, CC Harvest SCM, Git & Azure DevOps.

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Client   : **Patelco Credit Union, Dublin, CA.**   Duration: **Jan'24-Present.**

Name   : **EDP**.

Environment : Snowflake, Azure Data Factory, Streamlit, Salesforce, Mainframes, IICS, MoveIT, Snowpark, PySpark, Python, Pandas, Numpy, ADLS Gen2, **MSBI-SSIS**, Power BI & DAX, Tableau.

Sr.Snowflake Data Engineer.

<u>**Role & Responsibilities:**</u>

- ✓ Responsible for Data Migration & Ingestion from On-Premises, Salesforce,Mainframes Data to Snowflake EDP.
- ✓ Responsible for Restructuring, Integrating & Migrating onprem DWH, Salesforce, SQL Server to Snowflake.
- ✓ Data Modeling, Redesign & Development of Existing ETL Framework using Azure Data Factory & Snowflake.
- ✓ Development & Migration of SQL Code to Snowflake Stored Procedures.
- ✓ Validate and Reconcile the data from the Existing onprem DWH to Snowflake DW Cloud Platform.
- ✓ Integrated and Automated Data workloads to Snowflake EDP.
- ✓ Design and Development of ADF Piplines in orchestrating data flows.
- ✓ Integrated and Build Custom ETL Framework using ADF Pipelines, Snowflake SPs & PySpark Notebooks.
- ✓ Developed Centralized Data Storage Layer using Snowflake & Azure Data Lake.
- ✓ Designed & Developed Cloud DWH platform using Azure Data Factory, Snowflake.
- ✓ Builld PySpark & Spark SQL Notebooks to Generate Extracts.
- ✓ Performance Tuning & Troubleshoot of Complex Snowflake SQL/Spark SQL & TSQL Stored Procedures.
- ✓ Involved in Development of Azure Analysis Services, PowerBI & Tableau on Snowflake Data warehouse.

Client   : **Ferguson-Woseley, Newport News, VA.**   Duration: **June'19-Dec'23.**

Name   : PPE-Migration.

Environment : Snowflake, Azure Data Factory, Apache Airflows, SnowPark, PySpark, Snowflake SQL,TSQL,   ADLS Gen2, MSBI-SSIS, Azure Analysis Services – ASA, Power BI & DAX.
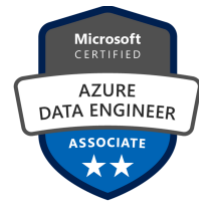
Sr.Snowflake Data Engineer.

<u>**Role & Responsibilities:**</u>

- ✓ Responsible for Data Migration & Ingestion from On-Premises systems to Snowflake Cloud Data Warehouse.
- ✓ Responsible for Restructuring, Integrating & Migrating onprem DWH Oracle(Triligy), SQL Server to Snowflake.
- ✓ Data Modeling, Redesign & Development of Existing ETL Data flows using Azure Data Factory & Snowflake.
- ✓ Data Ingestion to AGLS Gen2 using Snowflake AZ Copy Utility and ADF Pipelines.
- ✓ Involved in Design and Development of New ETL Architecture to Migrate SSIS to ADF.
- ✓ Validate and Reconcile the data from the Existing onprem DWH to Snowflake DW Cloud Platform.
- ✓ Integrated and Automated Data workloads to Snowflake Warehouse.
- ✓ Design and Development of Airflow DAGs in orchestrating data flows.
- ✓ Developed CI/CD Pipeline to Deploy SnowSQL's using Azure Devops.
- ✓ Integrated and Build Custom ETL Framework using ADF Pipelines & PySpark Notebooks.
- ✓ Developed Centralized Data Storage Layer using Snowflake & Azure Data Lake.

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- ✓ Designed & Developed Cloud DWH platform using Azure Databricks, Spark SQL & Pyspark.
- ✓ Builld PySpark & Spark SQL Notebooks to Generate Extracts.
- ✓ Performance Tuning & Troubleshoot of Complex Snowflake SQL/Spark SQL & TSQL Stored Procedures.
- ✓ Involved in Development of Azure Analysis Services, PowerBI & Spotfire on Snowflake Data warehouse.

Client	**: Aetna Inc,(CVS Health) Hartford, CT.**	**Duration: Oct'17– May'19.**
Name	**: Aetna-CAP(Claims & Providers).**	
Environment	**: Azure Data Factory**, Azure Databricks, Spark, PySpark, Spark SQL, Azure Data Lake, AWS S3, Delta Lake, Microsoft - SSIS, SSAS, MDX & Power BI.	

Sr.Data Engineer DB Migration.

Role & Responsibilities:

- ✓ Involved in Development, Ingestion & Migration using ADF & ADB.
- ✓ Involved in Enhancement and Developed of New DWH Architecture to Migrate SSIS to ADF.
- ✓ Developed Data Storage Layer using Azure Databricks, Snowflake & Azure Data Lake.
- ✓ Design & Developed Data platform using Azure Databricks to Process Data.
- ✓ Data Ingestion to AGLS Gen2 & AWS S3 using Snowflake AZ Copy Utility and ADF Pipelines.
- ✓ Developed of PySpark Notebooks in DataBricks.
- ✓ Dsigned & Developed ADF Pipelines to Parameterize Notebooks.
- ✓ Developed of Logic App Flows for Automation.
- ✓ Written Spark SQL, SQL Stored Procedures, Tuning and Troubleshooting.
- ✓ Design and Developed Reusable Framework for Code Development, Logging, Audit & Error Handling.

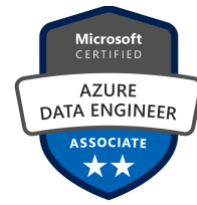|		
Client	**: Smith & Nephew Plc, MA.**	**Duration : Jan'15 – Oct'17.**
Name	**: ICPRP**	
Environment	**:** Microsoft - SSIS, SSAS & MDX, SQL, Server 2012, C#. MainFrames – V+, CP, AEx, SAP R3- Oracle, AS400-DB2.	

Sr Software Engineer(ETL/BI).

Responsibilities:

- ✓ Complete Responsible for End to End Development of SSAS & SSIS.
- ✓ Involved in Enterprise Data Management & Implementation.
- ✓ Writing Complex MDX Queries.
- ✓ Involved in Designing & Enhancing Cubes.
- ✓ Defined Complex Calculated Members.
- ✓ Defined KPI's, Defining Partitions, and Perspectives…
- ✓ Handled Dynamic Partition & Processing Management.

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- ✓ Developed Offline Cubes Dynamically using C#.
- ✓ Involved in Administrating & Managing the Users.
- ✓ SSIS Package Development & Deployment.
- ✓ Handled Custom Logging, Audit & Error Handling.

Client	**: Robert Bosch, Stuttgart, Germany**	**Duration: Oct'13-Dec'14.**
Name	**: boschefocus.com**	
Environment	: Microsoft SSIS, SSAS & MDX, 2010, Microsoft Dynamics AX.	

Sr ETL/BI Developer.

Responsibilities:

- ✓ Complete Responsible for End to End Development of **SSAS** & **SSIS**.
- ✓ Involved in Enterprise Data Management & Integration.
- ✓ Loading Dimensions, Facts from source to target Data Mart.
- ✓ Involved in Development, Scheduling & Testing of ETL Packages Module Wise.
- ✓ Prepared of Low Level and Standard's Document's.
- ✓ Involved in Error Handling.
- ✓ Involved in Designing & Enhancing SSAS Cubes.
- ✓ Writing MDX Queries, Defining Calculated Members.
- ✓ Implemented Security and Performance Tuning of SSAS Cubes.
- ✓ Defined KPI's, Defining Dynamic Partitions, Calculated Members and Perspectives.
- ✓ Implemented High-Availability features Synchronization, Replication, Distributed partitioning.

Client	**: IQVIA, (IMS Health & Quintiles), Durham, NC.**	**Duration: Aug'12-Sept'13.**
Name	**: GDR.**	
Environment	**: Microsoft SSIS, SSAS & MDX**, MS-SQL Server, **Base-SAS**, Strategy Companion Analyzer-**SCA**.	

EDC/EMR Systems   : Medidata Rave, Phase Forward Inform, Oracle Argus.
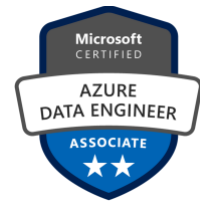
Sr ETL/BI Developer.

Responsibilities:

- ✓ Prepare Clinical and Statistical Summary Reports for Oncology & Gastroenterology Studies.
- ✓ Generating Reports based on Demographic, Dosing, Baseline Characteristics, Efficacy, Safety Data...
- ✓ Generating standard and non-standard tables on ECG (Electro cardiogram) data, Vitals Data (Blood Pressure, Pulse Rate), Laboratory Data, Administrative data, Subject Evaluation.
- ✓ Involved in Enterprise Data Management & DWH Integration in Compliance of CDM for GDR .
- ✓ Complete Responsible for End to End Development of SSAS & SSIS.
- ✓ Loading Dimensions, Facts from Source to Target Data Mart.
- ✓ Involved in Development, Scheduling & Testing of ETL Packages Module Wise.

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- ✓ Involved in Designing & Enhancing, Error Handling of SSIS
  Packages & SSAS Cubes.
- ✓ Writing MDX Queries, Defining Calculated Members.
- ✓ Implemented Security and Performance Tuning of SSAS Cubes.
- ✓ Defined KPI's, Defining Dynamic Partitions, Calculated Members and Perspectives.
- ✓ Implemented High-Availability features Synchronization, Replication, Distributed partitioning.

Client : **Sprint-Alcatel Lucent. Belmont, CA.** **Duration: Feb'10 – July'10 & Oct'10 – July'12.**

Name : **MEx.**

Environment : Microsoft SSIS, SSAS & MDX, SQL Server 2008 R2, Panorama.

Sr ETL/BI Developer.

Responsibilities:

- ✓ Complete Responsible for End to End Development & Migration of SSAS & SSIS.
- ✓ Loading Dimensions, Facts from source to target Data Mart.
- ✓ Involved in Development, Scheduling & Testing of ETL Packages Module Wise.
- ✓ Involved in Error Handling & Debuging of SSIS Packages.
- ✓ Involved in Designing & Enhancing SSAS Cubes.
- ✓ Writing MDX Queries, Defining Calculated Members.
- ✓ Implemented Security and Performance Tuning of SSAS Cubes.
- ✓ Defined KPI's, Defining Dynamic Partitions, Calculated Members and Perspectives.
- ✓ Implemented High-Availability features Synchronization, Replication, Distributed partitioning.
- ✓ Migrated IBM DataStage PX Jobs to SSIS ETL Packages

Education Qualifications:

- **Master of Science in Computer Science** in 2012, from SHUATS.
- **Bachelor of Science(Mathematics, Statistics & Computer Science)** in 2001, from Nagarjuna University.

Microsoft & other Certifications:

- **Microsoft DP-203: Data Engineering on Microsoft Azure** in **April'22.**
- **SAS Base Certifiction** in Feb'06.
- **IBM Websphere IIS Datastage Enterprise Edition v7.5** in Aug'07.

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