

## **SNEHAL THOSAR**

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### **PROFESSIONAL EXPOSURE**

- A German language speaker B1 level with overall 11 plus years of experience in data engineering, Azure cloud migration with solutioning and design with emphasis on Data Analysis, Data Design, Data mapping, Data Modeling, Complex SQL queries, Application development and end to end implementation of projects.
- Exposure on various projects related to Azure services like Azure Data Factory, Azure SQL database, Azure Synapse, ADLS Gen2, Azure Data bricks and its integration to Analytical tools like Power BI, Qlik-view.
- Good understanding of Spark architecture with Data bricks, structured streaming, data pipelines, managing data bricks notebooks, developing spark applications using py-spark, ability to apply spark data frame API to complete data manipulation within spark session.
- In depth understanding of Spark Architecture including Spark Core, Spark SQL, Data Frames, Spark Streaming, RDD caching, Spark MLib and expertise in using Spark SQL with various data sources like JSON, Parquet and Key Value Pair.
- Involved in presales activities for reviewing the RFP's and technical recommendation.
- Experience as technical architect in designing and providing solutions to incoming problem statements for multiple projects.
- Handled huge data processing, aggregation and transformation with multiple file formats like PDF, CSV's, XML, Jason, Parquet and flat files from various sources like on-prem oracle databases, Google analytics, Salesforce data, Azure storages.
- Build multiple pipelines for ETL processes, pipelines and maintain how the data will be received, validated, transformed and then published in an efficient and automated way.
- Plan and Develop road-maps and deliverable to advance the migration of existing solutions on-premise systems/applications to Azure cloud and recreating existing application logic and functionality in the Azure Data Lake, Data Factory, SQL Database and SQL data warehouse environment
- Experience with Azure transformation projects and Azure architecture decision making Architect and implement ETL and data movement solutions using Azure Data Factory(ADF) and expert level in Designing and Architect solutions in Azure Data factory, Azure Databricks, Azure Datalake, Delta Lake and Azure synapse analytics implementation.
- Experience of 6 plus years in BFSI domain, Core-Banking, Investment banking, AML, trade surveillance, regulatory reporting. Also expertise in advanced PLSQL like Analytical functions, regular expressions, Collections, Records, Dynamic SQL, PLSQL profiling, Bulk collect, Hints, Hierarchical queries, ,JavaScript, Python and UNIX Shell Scripting.
- Worked on partitioning of databases, oracle schedulers, Performance tuning, Oracle query optimizations. Handling multiple data structures, data types, performance tuning, query tuning, generating AWR report, explain plan.
- Exclusively working and hands-on in ACTIMIZE for implementations of AML modules like CRS tool (case rule score), CDA(case disposition automation), Alert generation adaptors, Case management systems, Post alert Investigation, KYC detail generation.
- Formerly worked on Core banking product FINACLE version (6x, 10x) implementation and handled data migrations at banking data centers, chiefly legacy to Finacle product migration. Furthermore executed Single-byte to multi-byte oracle database 11g, 12c migrations.
- Experience on working under agile methodologies for project implementation.
- Extensive experience in all phases of the software development life cycle including analysis, resource planning, code development, testing, implementation and maintenance.

### **TECHNICAL SKILLS**

- **Databases:** - Azure SQL database, Azure Synapse, SQL server, Snowflake, ORACLE.
- **Cloud technology :-** Microsoft Azure services like ADF, Azure data bricks, Azure Synapse, ADLS gen2, Delta lake.
- **Scripting Languages:** -SQL, pySpark, Python, Oracle PL/SQL, JavaScript, UNIX Shell Scripting,
- **ETL Tools:** - Azure Data Factory, Ab-initio ,OBIEE, Oracle Warehouse Builder OWB,
- **Operating Systems:** - Windows, UNIX, LINUX, AIX.
- **Utilities:** - Oracle Data pump, Export, Import, SQL \*Loader
- **SQL Tools:** - SQL Developer, TORA, TOAD, SQL \*Plus.

## ACADEMIC CREDENTIAL

Qualification	University/Board	Year	Percentage
• BE (Information Technology)	Amravati University	2010	70.14%
• HSC	Maharashtra Board	2005	69.50%
• SSC	Maharashtra Board	2003	77.06%

## EXPERIENCE DETAILS

### EMPLOYER: PERSISTENT

30-DEC-2021 TO 07-APR-2023

#### ROLE: - PROJECT LEAD

- Design and build data pipeline definitions required for optimal extraction, transformation and loading of data from variety of data sources using ADF, Azure Data bricks.
- Developing jobs where the data sources are on premises or in Azure and processed various types of files (CSV, XML, Jason, Parquet) to Azure Synapse with incremental loads.
- Implementation of different data flows having data ingestion, processing, provisioning and visualization in a multiple data source environment.
- Experience with Azure transformation projects and implementing ETL and data handling solutions using Azure Data factory (ADF).
- Proven experience on efficiently designing and implementing automations using pipelines with low cost processing.
- Handled bulk data migrations in Azurecloud having runtime transformations.

### EMPLOYER: SYNECHRON

12-APRIL-2021 TO 24-DEC-2021

#### ROLE: - LEAD- Database Technology

- Design and implement end-to-end data solutions (storage, integration, processing, and visualization) in Azure.
- Design and implement database solutions in Azure SQL Data Warehouse, Azure SQL Architect & implement medium to largescale BI solutions on Azure using Azure Data Platform services (Azure Data Lake, Data Factory, Data Lake Analytics, StreamAnalytics, Azure SQL DW, HDInsight/Databricks, NoSQL DB)
- Working on multiple Trade surveillance applications simultaneously.
- Extensively worked on data loading process involving several data transformations.
- Worked on load balancing of huge transactions where data load is 3-4 billion perday.
- Performance tuning of the inline queries of cloud based reports.
- Working in agile methodologies.
- Handled data migrations from Oracle to Azure cloud.
- Automation to create cases based on control running frequencies.

### EMPLOYER: - L&T INFOTECH PVT. LTD.

10-JUL-2017 TO 19- MAR-2021

#### ROLE: - PROJECT LEAD

- Creating packages, procedures, triggers, views, indexes and other database objects. Database tuning, analyzing queries and its performance tuning. Involved in code review and code analysis, data formatting, data elements mapping.
- Handling cases of AML module and incorporating it into application, data mapping changes and implementation.
- Propose architectures considering cost/spend in Azure and develop recommendations to right- size data infrastructure.
- Design and implement database solutions in Azure SQL Data Warehouse, Azure SQL. Migrate data from traditional database systems to Azure SQL databases.
- Implement ad-hoc analysis solutions using Azure Data Lake Analytics/Store, HD-Insight. Developed Generic graphs for data cleansing, data validation and data transformation.
- Investigate and assess the risk of alerts identified by the Bank's anti-money laundering risk assessment tools.
- Review of all customer's activities alerts for the assigned business unit, investigate and report any violations of compliance or regulatory standards to the authorized officer orregulator.
- Develops and maintain a sound knowledge and understanding of the Bank's AML policies and procedures.
- Preparing process documents, Impact analysis, requirement analysis, MDD, TDD.

**EMPLOYER: - INFOSYS PVT. LTD. (EDGEVERVE)**

**15-DEC-2014 TO 30-JUN-2017**

**ROLE: - SENIOR SYSTEM ENGINEER**

- Worked on Finacle core banking product where I was involved into data migration at nationalized, co-operative and multi-scheduled banks.
- Enhancing PLSQL scripts required for handling data, performance tuning, AWR report, explain plan along with data loading, databasetuning, query tuning, indexes and memory management.
- Core Banking Migration, overall reduction in migration time. Improvements in re-start ability, Better error trapping, Performanceenhancing initiatives. Cross version support between CORE, SSO, SVS, CRM and e-Banking.
- Understand different solutions and decide migration strategy, Quality and Knowledge initiatives (Workshops,Portal).Functional & technical design preparation and execution of the entire project.
- Executed Oracle 12c single-byte to multi- byte database migration.

**EMPLOYER: - CORE SOFTLAUNCHERZ 19-**

**AUG-2012 TO 31-AUG-2014**

**ROLE: - ORACLE DEVELOPER**

- Designing and creating database objects according to project requirement.
- Packages, procedures, functions, and triggers that improve database performance, data integrity and security. Also worked onpartitioning large Tables using Range Partitioning, creating Index Organized Table, Rollback table-space.
- Design and implement efficient and auditable ETL processes.
- Reports on payroll and financial management system.

**EMPLOYER: - FORBES MARSHALL**

**19-DEC-2011 TO 17-AUG-2012**

**ROLE: - PLSQL DEVELOPER**

- Involved in the creation of database objects like Tables, Views, Stored Procedures, Functions, Packages, DB triggers, Indexes, table mappings in OWB to fetch required data.
- Developed metadata repository using OBIEE Administration tool in Physical, Business Model and Mapping, and Presentation Layer. Created new logical columns, dimensional hierarchy, calculated measures, and aggregate mappings in the BMM layer as per the businessrequirement.
- Designed and developed various interactive dashboards and reports with drilldowns, guided navigation, filters, and prompts. Createdvarious session and repository variables and initialized them in the Initialization Blocks to change metadata dynamically as the environment change.
- Participated in designing databases (schemas) to ensure that the relationship between data is guided by tightly bound key constraints.Redesigning of a Dashboard application by performing system analysis of the requirement with the technology teams.

**PERSONAL DOSSIER**

Permanent address:-	Garbhagiri bunglow 624/3, near bakul hall, bakul nagar, bibvewadi, pune
Mobile No:	9503020072, 7666547922
Gender:	Female.
Languages:	English, Hindi, Marathi, German(B1 level)

(Snehal Thosar)