

HARI JAGANATHAN

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Objective:

Result oriented and highly motivated to work in a globally competitive environment by setting higher goals while meeting and exceeding current ones, adds to the growth of the organization and by focused learning career opportunity.

Professional Summary:

- 15+ Years of IT Experience in Data Architect, Database & DWH Design, Project Management, Development and Business Intelligence of Azure DWH, Cloud Data Platform, Microsoft SQL Server, Oracle, Teradata, SSIS, SSAS, SSRS, ADF, Cloud Services, Tableau, APIs, Power BI, SAP BO, IICS, Informatica Power Center in Development, Staging and Production Environments with exploit in business domains Retail, Banking, Healthcare, Aviation, Stock Options and DuPage County System, Consumer Lending, Treasury, Wholesale Banking, Security IT Asset Management, Sales, Healthcare, Insurance, Airways and Finance.
- Profound ability and experiences in supporting business transformation and defining strategy to migrate critical applications and transform to Cloud Data, Metadata Management, Data Model, and familiar with standard industry frameworks for Application Architecture, innovative, visionary, solid knowledge of both current and legacy technologies, and excellent communication, motivational, and managerial skills.
- Identified and developed the strategies, procedures, models for Master data management, SOA, and data quality management. Lead, coordinated, directed, and implemented the ODS, APM/TPM, Data Model, Datawarehouse, and Business Intelligence projects/applications.
- Program/Project/Department Management/Data Management/Data Modeling/Data Cloud Data Platform.
- Experience with strong attention to Data Governance, Data Quality, Data Integration, Data Migration, Data Extraction, Data Catalog, Data Analytics, Data Analysis, and Data Visualization.
- Worked extensively on business development, team management, requirement gathering, and converting business requirements to technical requirements, estimation creation, designing solutions, and delivering deliverables with high quality.
- Solid Experience and understanding of Implementing large scale Data warehousing Programs and E2E Data Integration Solutions on Cloud.
- Effective Stakeholder management & Developed Quality reporting solutions in Power BI, Tableau and SAP BO.
- Extensive experience in Data Modeling on Data Marts, Operational Data Store (ODS), OLTP, OLAP, Database Modeling, Data Vault Modeling, Dimensional Data Modeling with Ralph Kimball Methodology (Star Schema Modeling, Snow-Flake Modeling for FACT and Dimensions Tables using Analysis Services.
- Expert in Developing and Extending SSAS Cubes, experience in writing MDX Scripting and MDX Queries.
- Expert in Power Bi, Tableau, Dashboards reports, APIs, Pyspark and creating parameterized reports, Drill down, Drill through, Sub reports, Linked reports, Snapshot, Cached, Adhoc reports using SSRS.
- Designed, developed artifacts, methodologies, standards for integration/migration of data/applications effectiveness, Teradata to HANA (in-memory analytics), VerticaDB, Big data (Hadoop, Hive), Cloud Data Platform Snowflake, Data source analysis, Data Sourcing specification, ETL, IBM Informix, DWH, Cloud Data warehouse, Data Factory, effectiveness and efficiency of a major financial institution data management/ Databricks / Datawarehouse/ HANA / Cloud data warehouse development/ Data Lake/ Data Integration/ EDW department.

Professional Experience:

- Working as a Technical Specialist in Ingram Inc Bangalore from May 2023 to TillDate.
- Worked as a Project Lead in Volkswagen Inc Bangalore from Oct 2013 to May 2023.
- Worked as Technology Team Lead for CMC Capital Market Bangalore from Apr 2012 to Aug2013.
- Worked as Senior Software Engineer for AVN Methods Inc Chennai from Feb2009 to Jan2012.

Certifications:

- Microsoft Certified in Solution Architect and Cloud Associate.
- MCTS Certified Technology Specialist from Microsoft Corp.
- Certified in Business Application | Dynamics and Core Infrastructure.
- Microsoft Certified in Designing and Azure Infrastructure Solutions.

Educational Qualifications:

- Master of Computer Application, 2008, University of Madras, India.
- Bachelors in Computer Science, 2005, University of Madras, India.

Technical Skills:

Cloud & Big Data & Tools	Microsoft Azure Synapse, Databricks, Scala, PySpark, Key Vault, Power Automate.
Data Modeling Tools	ER Studio, Erwin, Toad, MS Visio, DB Schema, MySQL Workbench, Power Designer, DataVault.
ETL Tools	Informatica Power Center, ADF, SQL Server SSIS, IICS.
Analytical Tools	SQL Server Analysis Service (SSAS), Multi- Dimensional Cube, Tabular Cube, SAP BO Universe, Data Catalog - Qlik, Alation, Qlik Sense and Google Analytics.
Reporting Tools	Power BI, Tableau, SSRS, Power Pivots, Power View, APIs, Power Automate, PowerApps, Share Point, Crystal Reports & SAP-BO.
Database	SQL Server, Oracle, Vertica DB, Azure SQL Database, Azure SQL DWH, Cosmos DB, PostgreSQL, MySQL, MongoDB, Teradata.
DevOps Tools	Continuous Integration/Continuous Deployment, Cloud Integration, HP ALM.
Database Tools	MS SQL Server, SQL Query Analyzer, SQL Enterprise Manager, Analysis Manager and Reporting Server, Configuration Manager, Estimated Execution Plan, SQL Server Profiler, SQL Server Agent, SQL Sentry.
Other Software	MS Office, TFS, SVN, Power Shell, Shell Scripting, SCOPE Language, COSMOS, Surf, AUTOSYS, Windows Task, Scheduler, Scheduling Toll.
Operating Systems	Windows 10/8/2007/2000/XP, UNIX

PROFESSIONAL EXPERIENCES

Technical Specialist/Data Engineer

Ingram Inc [May 2023 to Till Date]

Environment : Data Management, Microsoft Azure, Agile, Cloud Data Platform, Informatica, Data lake house, ADF, Data Catalog, Data Mapping, FIN, APM/TPM, Data Model, Data and Analytics, APIs, Data lake, DWH.

Responsibilities:

- Developed the Enterprise data Architecture, strategies, standards, and Models for the Enterprise Data Architecture and Project-Credit Risk Data mart, lead a team, designed, developed, implemented, maintained, and enhanced databases, data models and metadata repository.
- Developed Python and Spark tool set to streamline development of data pipelines and Cloud data ingestion, enhancing code standardization and reduced time to delivery of data products from days to hours.
- Experience in Databricks notebooks and integration of the notebooks with Azure Data Factory.
- Determines project scope and deliverables, sets project expectations; develops and manages project plans, identification of user requirements, data analysis and design, risk assessment, specification development, development and implementation, issue resolution, marketing, and go-live support.
- Implemented the architecture, standards, frameworks, Microsoft Azure, Datalake, Cloud data models, Azure Synapse and strategies for Data Architecture/Data warehouse Architecture/Data Modeling and Enterprise Architecture.
- Creating and deployment of team GitHub and CI/CD pipelines to enable faster, repeatable deployment.
- Working in developing Datalake (Gen1 and Gen2), developing hierarchy application for ECH, API tuning up the query, ETL using Python with Power BI reporting tool.
- Implemented microservices, data lake ingestion of data and BI functions using the power U-SQL scripting language provided by Azure and python and developed JSON Scripts for deploying the Pipeline in Azure Data Factory (ADF) that process the data using the SQL Activity.
- Created Pipelines in ADF using Linked Services/Datasets/Pipeline/to Extract, Transform, and API load data from different sources with KQL, Big Query, NIFI, Blob storage, and Data Catalog with Qlik, Alation and Google Analytics.
- Experience in Microsoft Azure Cloud Services for migrating on-premises data from RDBMS and Spark SQL processing, integrating them as part of Azure Data Factory pipeline.
- Experience in Migrating legacy databases SQL Server from On-prem to Microsoft Azure cloud with log shipping, backup and restore, DMS, data to cloud space, DMA services with all migration activities.

Data Engineer

Volveswagen Inc [July 2022 to May 2023]

Environment : Data Management, Microsoft Azure, Agile, Cloud Data Platform, Snowflake, Data Bricks, ETL, Data lake, ADF, Data Catalog, Data Mapping, Pyspark, IICS, Data Model, Data and Analytics, APIs, Data lake, DWH.

Responsibilities:

- Designed, Developed, and implemented the metadata repository, strategies and policies for data governance, data stewardship, metadata architecture, and infrastructure architecture. Defined enterprise data architecture vision, strategy, principles, and standards; management, business partners, Data Integration, set policy, APIs design & manage processes for Agile and SDLC deployment pipelines for multiple platforms.
- Experience in configuring SQL Server HA/DR (FCI, AG) in Azure with multiple subnets and multiple regions, and administering Security/Policies/Resource Governing/Azure Key Vault.
- Designed and handled ETL load data from sources systems to Azure Data Storage services by ADF, Spark SQL Azure Synapse, and data lake analytics. Data ingestion to one or more Azure services with Azure data lake, API, Azure Storage, Azure DW and processing the data in Azure.
- Experience in Informatica for data accuracy and utilizing Informatica Intelligent Cloud Services (IICS) for end-to-end ETL development, and optimize ETL processes to move, transform, and load data into Snowflake on Azure.
- Experience in Azure cloud Solution activities for large complex migration, planning the storage and capacity management, creating both logical & physical models and handled performance tuning & troubleshooting activities.
- Implemented and operate database systems for performance and reliability with Cloud Microsoft Azure, windows server issues, database performance, client compliances, log activities, JIRA, SQL solutions and Infrastructure management.

- Cloud Data Platform, Data source and data analysis, big query, Data Sourcing specification, ETL, SAP DWH, Cloud Data warehouse, Data Factory, and Storage Service, effectiveness, and efficiency of a major financial institution data management/ DWH / Power BI /Azure /HANA /Cloud data warehouse development.
- Building and experience with Cloud utilities, SQL, Datalake house, Azure Data Factory, APIs, Big Data model using Python connectivity, datawarehouse with ETL pipelines, SQL queries as per the change request.
- Experience in Microsoft Azure Cloud Services for migrating on-premises data from RDBMS and Spark SQL processing, integrating them as part of Azure Data Factory pipeline.
- Experience in Migrating legacy databases SQL Server from On-prem to Microsoft Azure cloud with log shipping, backup and restore, DMS, data to cloud space, DMA services with all migration activities.
- Created data pipeline of gathering, cleaning, and data movement, developed automated data pipelines from various external data sources to AzureDWH with Power BI reporting tool.

Data Engineer

VVS Systems [Jan 2015 to June 2022]

Environment : Data Management, Microsoft Azure, Agile, Cloud Data Platform, Informatica, Data lake house, ADF, Data Catalog, Data Mapping, IICS, Data Model, Data and Analytics, APIs, Data lake, DWH.

Responsibilities:

- Design, develop and deploy database models for application development to support business applications, ensuring system scalability, security, performance, and reliability.
- Developing and maintaining continuous deployment using FIN applications and infrastructure as code (IaC) workflows using tools such as Jenkins, Travis CI, or GitLab CI/CD.
- Experience in handling Data source and data analysis, big query, APIs, Data Sourcing specification, ETL, SAP DWH, Azure Pyspark, Cloud Data warehouse, Azure Data Factory, Datalake house, DWH and Storage Service, effectiveness, and efficiency of a major financial institution data management/ DWH / Power BI /HANA /Cloud data warehouse development.
- Experience in Informatica for data accuracy and utilizing Informatica Intelligent Cloud Services (IICS) for end-to-end ETL development, and optimize ETL processes to move, transform, and load data into Snowflake on Azure.
- Designed, Developed, and implemented the metadata repository, strategies and policies for data governance, data stewardship, metadata architecture, and infrastructure architecture. Defined enterprise data architecture vision, strategy, principles, and standards; management, business partners, Data Integration, set policy, APIs design & manage processes for Agile and SDLC deployment pipelines for multiple platforms.
- Experience in configuring SQL Server HA/DR (FCI, AG) in Azure with multiple subnets and multiple regions, and administering Security/Policies/Resource Governing/Azure Key Vault.
- Experience in Azure cloud Solution activities for large complex migration, planning the storage and capacity management, creating both logical & physical models and handled performance tuning & troubleshooting activities.
- Implemented and experience in installing and configuring SQL Server all the version from 2000 to latest versions.
- Experience in Windows and SQL servers issues troubleshooting.
- Implemented and operate database systems for performance and reliability with Cloud Microsoft Azure, windows server issues, database performance, client compliances, log activities, JIRA, SQL solutions and Infrastructure management.
- Designed and implemented Modular and ETL processes and big data Staging & Reconciliation, ADF, Data Ingestion, API, Exception Handling, Key Generation & Assignment, Tracking and ETL Auditing.
- Experience with Data Catalog Qlik, Google Analytics, Alation, Qlik Sense and implemented Modular and ETL processes and big data Staging & Reconciliation, Data Ingestion, Exception Handling, Key Generation & Assignment, Tracking and API Auditing.
- Determines project scope and deliverables, sets project expectations; develops and manages project plans, identification of user requirements, data analysis and design, risk assessment, specification development, development and implementation, issue resolution, marketing, and go-live support.
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Responsibilities:

- Designed, Developed, and implemented the metadata repository, strategies and policies, metadata architecture, and infrastructure architecture, defined enterprise data architecture vision, Data Stewardship, strategy, principles, and standards; management, business partners, and propagate Data Integration & manage processes for Agile and SDLC deployment pipelines for multiple platforms.
- Identifying business critical gaps and discrepancies, data source data analysis, data sourcing specifications, design & specification, perform data analysis, analytical databases, data classification, DB design and DDL specifications.
- Building and experience with Cloud utilities, SQL, Datalake house, Azure Data Factory, APIs, Big Data model using Python connectivity, datawarehouse with ETL pipelines, SQL queries as per the change request.
- Experience in Microsoft Azure Cloud Services for migrating on-premises data from RDBMS and Spark SQL processing, integrating them as part of Azure Data Factory pipeline.
- Experience in Migrating legacy databases SQL Server from On-prem to Microsoft Azure cloud with log shipping, backup and restore, DMS, data to cloud space, DMA services with all migration activities.
- Created data pipeline of gathering, cleaning, and data movement, developed automated data pipelines from various external data sources to AzureDWH with Power BI reporting tool.
- Experience with Databricks notebooks and integration of the notebooks with Azure Data factory.
- Experience in set cloud firewalls to allow in VMs instances and services like compute engine, cloud load balancing, cloud storage, cloud SQL, Datalake house, Datawarehouse, stack monitoring and cloud deployment manager.
- Design, develop and deploy database models for application development to support business applications, ensuring system scalability, security, performance, and reliability.
- Developing and maintaining continuous deployment using FIN applications and infrastructure as code (IaC) workflows using tools such as Jenkins, Travis CI, or GitLab CI/CD.
- Experience in handling Data source and data analysis, big query, APIs, Data Sourcing specification, ETL, SAP DWH, Azure Pyspark, Cloud Data warehouse, Azure Data Factory, Datalake house, DWH and Storage Service, effectiveness, and efficiency of a major financial institution data management/ DWH / Power BI /HANA /Cloud data warehouse development.
- Designed, Developed, and implemented the metadata repository, strategies and policies for data governance, data stewardship, metadata architecture, and infrastructure architecture. Defined enterprise data architecture vision, strategy, principles, and standards; management, business partners, Data Integration, set policy, APIs design & manage processes for Agile and SDLC deployment pipelines for multiple platforms.
- Experience in configuring SQL Server HA/DR (FCI, AG) in Azure with multiple subnets and multiple regions, and administering Security/Policies/Resource Governing/Azure Key Vault.
- Experience in Azure cloud Solution activities for large complex migration, planning the storage and capacity management, creating both logical & physical models and handled performance tuning & troubleshooting activities.
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- Designed and implemented Modular and ETL processes and big data Staging & Reconciliation, ADF, Data Ingestion, API, Exception Handling, Key Generation & Assignment, Tracking and ETL Auditing.
- Experience with Data Catalog Qlik, Google Analytics, Alation, Qlik Sense and implemented Modular and ETL processes and big data Staging & Reconciliation, Data Ingestion, Exception Handling, Key Generation & Assignment, Tracking and API Auditing.
- Determines project scope and deliverables, sets project expectations; develops and manages project plans, identification of user requirements, data analysis and design, risk assessment, specification development, development and implementation, issue resolution, marketing, and go-live support.
- Experience in data architecture, Database implementation, leading the team with respective time zones, Architect in Reporting, Modeling, and Interface Engineering. Developing and maintaining pipelines and other services and experience building automated pipelines.

Technology Team Lead - Infosys**CMCR Capital Market [April 2012 to Aug 2013]**

Environment : Data Management, Actimize Trade Surveillance Tool, Data Visualization, Data Proc, Compliance logs, Tabular Cube, DAX, Power BI, Tableau, SharePoint, SQL, SharePoint, Jira.

Responsibilities:

- Lead/Managed the project and activities include on project charter, project plans, requirement gathering, analyses the review requirements, business processes, and provides solutions when developing a new/ enhancing an existing system.
- Streamlined the project with Waterfall methodologies, change management strategies, measurable value, and exceptional customer experience.
- Data modeling design, business logic and adherence build of data flow designing.
- Identified the appropriate facts, metrics, hierarchies, and territories to structure the initial model of the business from the requirement documentation, the source and target schemas and to support the business reporting model and the lowest level of detail, rollups drill mechanism.
- Developed an aid document for Dimensional modeling, which reduced the communication gaps between teams, time consumed and improved the modeling process.

Senior Software Engineer**ArrowPoint Technologies [Feb 2009 to Jan 2012]**

Environment : ACH Management, Postgre, AM Tool, Logs Methods, Database Compile Virtual Networks, AVN Logs, CI/CD tool.

Responsibilities:

- Creating and implied in database design to determine the Aircraft part administration and setting regularity to the client requirement.
- Programmed packages, stored procedures, queries, and triggers using SQL.
- Data verification, debugging and optimization to determine consistency in requirement.
- Center of excellence with implementing product roadmap, waterfall methodologies, review, eliminate risks and proactively involved in defect management system and review boards.
- Testing with D-cube Settings and EDK Settings to verify and provide effective results to match along with client determination.
- Engages with release management and sets traceability for all requirements.
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