Sai Datla

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Summary — Versatile and results driven Data Professional with over 12 years of experience across SQL Development, BI Development, Database Administration (DBA) and Data Engineering. Proficient in designing, optimizing, and maintaining robust SQL queries, ETL pipelines in both Azure and on-premise environments.

Skills Tools

Monitoring	Redgate, Ola Hallengran, Idera, PRTG.	**ETLTools**	Azure Data Factory (ADF), SSIS, Qlik Replicate.
Cloud Type	Primarily on Azure, familiar with AWS.	**Data Platform**	Insurance, Social Care, Utilities, Retail.
Scripting	TSql, Python, Powershell.	**Azure Tools**	ADF, Data bricks, Power Apps.
Reporting Tools	SSRS, Power BI, Tableau, Cognos.	**Databases**	MsSQL, Postgre, Oracle, MongoDB.
Automation	Native SQL, Azure Pipelines, RMJ.		

Areas of Expertise

- Fully functional working as SQL Developer and Database Administrator
- Optimized MongoDB performance by implementing indexing strategies, aggregation pipelines and query optimization techniques.
- Conducted database backups and restores using MongoDB tools and implemented disaster recovery plans.
- Designed and implemented database schemas and models for various applications using MongoDB.
- Extensively uses complex Tsql scripting and SSIS packages, Azure data factory for extraction of data from multiple external sources such as Json files, Csv's and other third-party applications
- Query Optimization. Improving the performance of stored procedures/reports, creating/rebuilding indexes by checking the de-fragmented indexes and maintaining database Schema.
- Expertise in creating Indexing Strategies and maintaining them on regular basis.
- Hands on experience in creating stored procedures, views, triggers, and constraints to implement database consistency and integrity
- Hands on expertise in creating Mirroring, Replication, Log shipping and AOAG.
- Implemented PowerBI data gateways on local servers for integration.
- Worked on generating reports using SSRS, Power BI, Tableau and Cognos.
- Hands-on experience working on ETL tools such as SSIS, ADF, Qlik Replicate, and Snap-center.

Experience

Yorkshire Water Limited   **Jan 2024 – Dec 2024**
SQL Server SME (Consultant)

Migration of SQL server 4 node cluster from physical to VM Ware and Azure

- Analyzed data traffic to identify bottlenecks and optimize performance
- Built SQL Servers on 4 node cluster from scratch
- Migrated all SQL Server databases and its related objects from physical cluster onto VM Ware and Azure Clustered environment.
- Collaborated with cross-functional teams to streamline the jobs and improve its efficiency

SQL Server Security Auditing

- Audited over 40 SQL Servers on a domain, involving tracking, monitoring and reviewing activities and events within SQL server to ensure that security policies are enforced and sensitive data is protected.
- Recreated backup and restore process with right permissions auto created as per the environments.
- Documented system configurations and procedures for knowledge sharing within the team
- Participated in disaster recovery planning and drills to ensure business continuity in case of emergencies

Davies Group Limited   **Apr 2023 – Nov 2023**
Data Engineer - Azure (Consultant)

Client: Lloyd's of London

- Worked on Hydra project for Lloyds's of London client. This involved integrating multiple brokers systems or syndicates into a single platform and generating reports.
- Worked on building Virtual machines in Azure and azure sql databases.
- Configured and monitored security measures including providing permissions to service accounts and other stake holders.
- Created resource groups on azure as required for our development and implemented connectivity to reporting environments.
- Created azure databases and set up HA across 2 regions in azure, required for the purpose reporting purpose.
- Generated and implemented integration run time (IR) required for the purpose of moving data from on premise to azure and azure to azure.

- Automated server provisioning and configuration management tasks
- Created and Maintained documentation for all procedures or changes made within the project.

Agilisys Limited   **Sept 2022 – Feb 2023**
Data Engineer (Consultant)

  Client: Bournemouth, Christchursh and Poole (BCP) Council

- Design develop and manage ETL/ELT pipeline to move and transform data from various sources to target destinations
- Used ADF pipelines for complex workflows including triggers, dependencies and error handling.
- worked on creating pipelines and scheduled triggers to automate the pipelines depending on requirements.
- Used ADF to load data into azure data lake storage for further processing into data bricks.
- Designed pipelines to move data into or out of Azure SQL Databases (paas) or other on premise SQL databases.
- Set up monitoring and alerts to track pipeline performance, troubleshoot failures and log activities for auditing.
- Involved in building complex pipelines using data bricks workflows, including creating notebooks for transforming data and scheduling for automatic execution.
- Maintained documentation for all policies and procedures.

Ingram Micro Limited   **Jan 2022 – Aug 2022**
SQL Database Administrator (Consultant)

- Developed and implemented databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality.
- Provide expert support in the use of querying, reporting and analysis tools and answering queries regarding any issues with data extracts and data management processes
- Created database objects such as stored procs, functions, triggers and cursory where necessary.
- Gathered information from stakeholders and developed reports using SSRS and Power BI.
- Installed and configured SQL Servers. Developed regular process for checking patching cycles.

Atlanta Insurance Limited   **Feb 2015 – Jan 2022**
Lead SQL Database Administrator

- Worked as SQL Server SME for this multiple projects involved development and administration of various datasets.
- Developed and Migrated DWH from On-premise to Azure Cloud environment
- Extensively used ADF and Data bricks to replace SSIS packages and Tsql jobs loading the DWH.
- Gathering requirements from stake holders, design, build, and maintain scalable and reliable data pipelines.
- Making efficient use of resources on sql server services to extract and query databases of over 8TB.
- Monitoring the performance of SQL servers and identifying the processes taking long time and tuning them wherever required
- Filtered and cleansed the raw data with reference to company standards and making available on reporting environments
- Expertise in Data Migration schemes. Created workflows using SSIS and TSql Scripts accordingly to gather data into database objects

DB Tech Limited   **Mar 2012 – Feb 2015**
SQL Developer

Education

Staffordshire University
Masters in Engineering

Keele University
Masters in Management

Major Projects / Achievements

SQL Cluster Migration from Physical to VMWare (4Node)
- Implementation of clustered environment and
- Implementing encryption of databases after migration.
- Changing backup strategy after successful migration and encryption.
- Developed automatic SP and CU alerts.

Integration of services and create centralized platform for Lloyd's London
- Implementing a centralized data platform for all stakeholders (Syndicates, Brokers, Customers).
- Reviewing current reporting environment and reconfigure the reports pointing to new centralized platform.

Migration of SQL Server 2014 and below from On-premise to Azure paas and iaas
- Analyze set up of SQL servers in a domain and create a blue print documentation.
- Implementing AOAG across data centers and migrating servers to different locations.
- During this implementation i have managed to reduce over 30 SQL Servers and downgraded 20 servers which **saved over 100K GBP** a year