TEK09756 (Database - 16 + Year)

MCA - Computer Science

Highlights

- Results-driven and versatile software engineer with over 16 years of experience in:
- Data Analysis,
- Database Administration, and
- Software Development across various technologies, including Snowflake, DB2, MySQL, Clickhouse, SQL Server and more.
- Certified DB2 DBA with a track record of consistently meeting deadlines while exceeding quality expectations.
- Skilled in data migration, automation, performance tuning, and troubleshooting.
- Excellent communication and team leadership skills with a passion for driving data-driven decision-making processes

Skills

Primary Skills

- PLSQL/SQL

Secondary Skills

- ETL

Projects

Project - 1 - IT Industry

Responsibilities :

- Successfully migrated data from MySQL to Clickhouse, enhancing efficiency and scalability.
- Played a pivotal role in MySQL server development.
- Automated data synchronization using Python scripts, improving data integrity and accuracy.
- Implemented partitioning strategies in Clickhouse and MySQL for optimized performance.
- Conducted extensive performance tuning to enhance overall system performance.
- Resolved daily issues reported by functional teams and provided timely solutions.
- Developed automated reports using Python via Telegram, delivering insights to stakeholders.
- Proficient in designing and executing complex SQL queries across various databases, including Clickhouse and MySQL, to generate insightful reports for strategic decision-making.
- Collaborated with cross-functional teams to gather requirements, ensuring that reports accurately reflected business needs and objectives.
- Utilized data visualization tools like Metabase to present complex data sets in a clear and concise manner for non-technical stakeholders.
- Translated business requirements into efficient query logic, optimizing performance and enhancing data retrieval speed.
- Played a key role in improving operational efficiency by developing summary tables that streamlined recurring reporting processes, saving up to 15 hours per week.

- Communicated technical concepts and solutions clearly to non-technical stakeholders, facilitating better understanding of data-driven insights.
- Proficient in utilizing `cron` to schedule and automate various tasks, contributing to improved operational efficiency and reduced manual interventions.
- Analysed financial data to identify discrepancies, leading to timely corrective actions and accurate reporting.
- Developed automated Excel spreadsheets for data tracking and reconciliation, saving up to 10 hours per week.

Project - 2 - IT Industry (44 months)

Responsibilities :

- Primary Database Administrator for DB2/ SQLServer/ Paracel/ Vertica/ Azure/ Snowflake Technologies.
- Involved in performing Database Installation and configuration on AIX, UNIX and LINUX in multi-tier and single tier architecture.
- Data refresh from one environment to another using various file type modifiers and pipes.
- Performing reorgs/run stats manually, running batch jobs by scheduling in crontab and monitoring.\
- Troubleshooting Database issues
- Performance tuning.
- Creation of Database and Database Objects.
- Problem determination using db2pd tool and db2diag entries.
- Exposed to Snowflake Architecture, Worked on Snowflake's warehouses, roles, databases, schemas, and Resource Monitor.
- Manage AWS Data Lake in cloud and migrate data to Snowflake.
- Created Integration objects, file formats, stages, and used COPY INTO/Snowpipe to ingest CSV/PARQUET/JSON data continuously from AWS S3 bucket.
- Created views, secure views, Materialised views

Project - 3 - IT Industry (51 months)

Responsibilities :

- Provided distributed UDB DBA support to manage UDB environments, including DEV, QA, and integration.
- Managed database migrations, data refresh, backup and recovery, performance tuning, and troubleshooting.
- Scheduled jobs using Autosys tool for streamlined operations.
- Installed and configured DB2 UDB versions 9.5 and 10.5 on AIX platforms.
- Collaborated with teams to resolve issues and optimize database performance.

Project - 4 - IT Industry (42 months)

Responsibilities :

- Led distributed UDB DBA support for production, test, quality, systems, and integration databases.
- Managed database migrations, data refresh, backup and recovery, and performance tuning.
- Responded to remedy tickets, resolved issues within SLAs, and provided troubleshooting support.
- Installed and configured DB2 UDB versions 8.2 and 9.1 on various platforms

Project - 5 - IT Industry (12 months)

Responsibilities :

- Installing DB2 Software Version 8 and 9 on different platforms like (Sun Solaris, HP-UNIX, IBM-AIX, Linux

and Windows) for Production Server/ Test Server/ QA Server/ Development Server.
- Installing DB2 Client on Central Instance and Application Servers and enabling connectivity between Server and Clients.
- Migrating DB2 Database from Version 8 to 9.
- Applying Latest Fix Packs on DB2 servers.
- Updating DB/DBM Parameters based on the requirement.
- Scheduling OFFLINE/ONLINE backups and action the same on Failures.
- Export/Import of Tables before any critical updates to the reference tables.
- Making the copy of the Production Database in Test server using Pipes.
- Problem determination by looking into Diag/notification logs in case of any issues.
- Marking the Invalid Indexes & Re-Building the same using DB2DART utility.
- Logging calls to IBM SUPPORT in case of any major issue

Project - 6 - IT Industry (8 months)

Responsibilities :

- Installation and Configuration on Linux, UNIX, Windows, AIX Environments.
- Database Backup and Recovery.
- Database and Database Manager Configuration.
- Remote Administration of Instances and Databases.
- Working Knowledge in DB2 GUI Tools.
- Data Movement utilities.
- Performance tuning.
- Creation of Database and Database Objects

Project - 7 - IT Industry (28 months)

Responsibilities :

- Installation and Configuration on Linux, UNIX, Windows Environments.
- Physical and Logical Database Design.
- Database Backup.
- Database Restore.
- Database Configuration.
- Database Manager Configuration.
- Database Roll forward.
- Remote Administration of Instances and Databases.
- Working Knowledge in DB2 GUI Tools

Awards

- Certified DB2 DBA