**Summary:**

I have 14 years of solid experience in DB2 LUW DBA, PostgreSQL DBA, MY-SQL DBA, and NoSQL concepts such as MongoDB and Cassandra, providing database administration-level support. I have had a dynamic and ambitious career, continuously evolving from on-prem to cloud platforms like AWS and Azure. Overall, I am a skilled engineer, a quick learner, and possess excellent communication skills. My goal is to become a cross-platform expert.

**EDUCATION:**

* MSc (IT) from Madras University, Chennai, Tamil Nadu.

**CERTIFICATIONS:**

* 730 - DB2 V9 fundamental certification.
* 731 - DB2 V9 DBA for Linux UNIX and Windows
* 544 - DB2 9.7 Advanced Database Administrator for Linux UNIX and Windows
* 610 - DB2 10.1 Fundamentals
* ITIL® Foundation Certificate in IT Service Management (Certificate number GR750257662SN)
* AWS Cloud Certified Solutions Architect – Associate
* AZ-900 Azure Fundamentals

**Professional Experience:**

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| **Vanguard /Infosys- Charlotte, NC**  **DB2& Aurora PostgreSQL DBA**  **July 2024 to till date.**  Infosys is responsible for providing application support services for Vanguard’s AOM and PLAN Health data, with a focus on migrating DB2 Mainframe databases to Aurora PostgreSQL databases. The overarching objective is to deliver services that support Vanguard’s long-term success and that of its clients, while aligning with core values and best practices. As part of this engagement, Infosys is driving operational efficiencies, enhancing accountability, and maturing service delivery to improve productivity and support both day-to-day operations and transformation initiatives.  **Kyndryl (Viewpointe)**  **DB2 DBA/PostgreSQL DBA**  **June 2022 to June -2024**  Supporting On-prime postgresql and db2 servers and migrating All Viewpoint Database On-prem servers to Aws/Azure cloud env.  Viewpointe has knowledge and experience, combined with a deep understanding of technology that is necessary to manage a comprehensive content strategy. Security, scalability, disaster recovery, best-in-class technology and world-class support make Viewpointe the right partner for your on-premises managed services or as part of our managed private cloud delivery. Viewpointe managed services experts will work closely with your team members to understand your content goals and business needs to provide consistent delivery of the underlying systems that support your strategy.  **Vanguard /Infosys- Charlotte, NC**  **DB2 LUW& Aurora PostgreSQL DBA**  **Sep 2020 to Nov 2021**  Migrating On-Prem Legacy DB2 database to AWS DB2 & Aurora PostgreSQL micro databases.Infosys is responsible for providing application support services for Vanguard’s Institutional Investment Group (IIG) division and the overall objective is to deliver services that enable and advance the long-term success of Vanguard and its Clients, aligning with core values and practices.  As part of the engagement, Infosys drives operational efficiencies with enhanced accountability and service maturity, to improve productivity and bring in excellence towards day-to-day operations and transformation initiatives.  TCS (American Century Investments) —Charlotte, NC  AWS Cloud DBA  **Nov 2021 to May 2022**  Migrating On-Prem Legacy DB2 database to DB2 AWS cloud DBA Env.  ACI Look Beyond Traditional ETFs for More Potential to Invest in a Low-Cost, Tax-Efficient Way. Explore the Benefits of Active Management in a Lower-cost, Tax-Efficient, and Liquid Vehicle. ETF Specialists. Disciplined Management. ETF Performance Documents. | **Lowes – Mooresville, NC**  **Cloud DBA**  **Oct 2019 – Aug-2020**  Primarily implemented and provided DBA level support using DB2& PostgreSQL DBA stacks to lowes.com. Supported Pricing, AEM, Inventory, EDP, EPRO, EDC and EDAM applications using PostgreSQL, Couchbase, Cassandra databases respectively. |
| **Verizon/Infosys – Irving, TX Cloud DBA**  **April-2019 – Oct- 2019**  Provided production support assistance for OCE (Order Capture Engine) Project: Fine-tuned iPhone 7 unlock, ATT Get Next functionalities and stabilized the whole environment. | **Company: Accenture, US/India**  **Client: FCA (Fiat & Chrysler) (June 2017 – March 2019)**  **DB2 LUW DBA / Cloud Migration Database Lead**  **Project# FCA, Michigan**  The Global migration of FCA applications in EMEA, NAFTA and LATAM Regions from on premise environments to selected Cloud providers. This phase must include, also, the foundation elements necessary for the following mass migration (e.g. network design, cloud environment account hierarchy, tool strategy)  and the discovery and assessment phases necessary to confirm the technical volumes to be migrated. |
| **HPE, Bangalore -India BP (British Petroleum), UK (June 2016 - June 2017)**  **DB2 DBA Lead**  BP is one of the world's leading integrated oil and gas companies. We provide customers with fuel for transportation, energy for heat and light, lubricants to keep engines moving, and the petrochemicals products used to make everyday items as diverse as paints, clothes and packaging. | **IBM, Bangalore, India.**  **Sep-2010 to June -2016**  **DB2 DBA**  In IBM I have worked around 6 years in different projects like IGA –Canada, Manulife, and Mead Johnson &Wall Street.    Mead Johnson nutrition is a food safety law disaster relief community company a child's best start SAP environment & our company has led the way in developing safe, high-quality, innovative products to help meet the nutritional needs of infants and children. With more than 70 products in over 50 countries, Mead Johnson products are trusted by millions of parents and healthcare professionals around the world.  This project is a Canadian division of Manulife financial Services. The main product of this division is providing vast variety of insurance services of which some of the main services are 401K plans, Guaranteed Insurance for Life etc. |

**PostgreSQL Experience Summary:**

* Experienced PostgreSQL version migrations across major versions (e.g., 9.x to 13/14), carefully planning and executing upgrade strategies to ensure minimal downtime and preserve data integrity. Utilized tools like pg\_upgrade, pg\_dump/pg\_restore, and pglogical for seamless migrations, ensuring compatibility and smooth transitions while minimizing operational disruptions.
* Used VACUUM for regular database maintenance, including analysis of database performance, identifying bottlenecks, and maintaining optimal performance
* Configured PostgreSQL Primary/Standby Replication and automated failover using Repmgr and Patroni, ensuring high availability and seamless disaster recovery.
* Implemented PgBouncer as a connection pooler to optimize database connection management, significantly reducing connection overhead and improving database scalability.
* Set up automated failover for PostgreSQL connections with HAProxy and JDBC auto failover, ensuring uninterrupted service and robust failover mechanisms in production systems.
* Designed and implemented comprehensive backup and recovery strategies using pg\_dump, pg\_basebackup, pgBackRest, and WAL archiving for Point-in-Time Recovery (PITR).
* Monitored PostgreSQL systems, analyzing error logs, resolving issues, and ensuring database health with regular checks, leading to proactive management and reduced downtime.
* Produced weekly and monthly reports on database health, capacity planning, growth analysis, and optimization efforts, enhancing decision-making for resource allocation.
* Migrated databases from DB2 to PostgreSQL, following best practices to ensure smooth data transfer with minimal downtime and preserved integrity.
* Configured PostgreSQL for transactional log archiving, implementing robust backup strategies to safeguard critical business data.
* Monitored and resolved database performance issues, including lock monitoring, query optimization, and identifying slow-running queries using tools like Foglight, pgtools, and custom shell scripts.
* Implemented PostgreSQL performance tuning, adjusting configuration parameters to achieve optimal performance and reduce query execution time.
* Collaborated with application teams to address database issues, optimize interactions between PostgreSQL databases and applications, and ensure seamless integration.
* Configured SSL encryption on PostgreSQL database servers to ensure secure data transmission and compliance with organizational security policies.
* Managed high-availability (HA) setups, including configuring failover solutions and replication strategies for mission-critical applications.
* Deployed and managed Aurora PostgreSQL clusters in AWS, leveraging Multi-AZ for high availability, Read Replicas for horizontal scalability, and Aurora Serverless for automatic scaling based on load.
* Managed automated backups and point-in-time recovery (PITR) for Aurora PostgreSQL, ensuring disaster recovery readiness and data security.
* Optimized Aurora PostgreSQL performance using Aurora Performance Insights and Amazon CloudWatch, proactively addressing issues to minimize latency and enhance query performance.
* Configured SSL encryption and IAM roles for secure database access, ensuring compliance with industry standards and organizational security policies.
* Led migrations from on-premises PostgreSQL to Aurora PostgreSQL using AWS Database Migration Service (DMS) and Schema Conversion Tool (SCT), ensuring seamless transitions and minimal downtime.
* Resized Aurora PostgreSQL clusters and scaled storage dynamically without downtime, maintaining optimal performance as application workloads increased.
* Designed and managed Amazon Redshift Data Warehouses, ensuring high performance and scalability for large-scale data analytics workloads.

**DB2 DBA Experience Summary:**

* Extensive experience in IBM DB2 UDB, with expertise in Database Administration, Architecture, Development, Migration, Analysis, Application Design, Testing, Implementation, and Production Support for critical OLTP, OLAP, and Data Warehouse environments.
* Hands-on experience as Production DB2 UDB DBA with versions V9.5, V9.7, V10.1/10.5, and V11.1/V11.5 on large VLDB systems.
* Expertise in SQL Replication, Q Replication, and InfoSphere Data Replication (IIDR) for real-time data integration and replication, ensuring high availability and disaster recovery in critical environments. Proficient in CDC (Change Data Capture) and data synchronization across heterogeneous systems.
* Well-versed in relational database design and administration, including logical and physical schema design, tablespace management, partitioning, and index optimization. Skilled in database creation, schema migrations, data normalization, and denormalization to optimize query performance in both OLTP and OLAP environments.
* Extensive experience in database backup and recovery management utilizing incremental backups, and point-in-time recovery to meet RPO (Recovery Point Objective) and RTO (Recovery Time Objective) requirements in high-availability systems.
* Expertise in DB2 utilities including REORG, RUNSTATS, REBIND, EXPORT, IMPORT, LOAD, BACKUP, RESTORE, and RECOVERY.
* Advanced performance tuning and optimization of SQL queries using EXPLAIN plans, Visual Explain, Index Advisor, and Query Rewrite Techniques to minimize CPU utilization and improve I/O performance. Expertise in the use of db2dart, db2pd, and db2top for real-time monitoring and troubleshooting.
* Implemented high availability (HA) and disaster recovery (DR) solutions through DB2 HADR (High Availability Disaster Recovery), data replication, log shipping, and split-mirror backup technologies. Experience configuring SAN (Storage Area Network), and SCSI subsystems for seamless failover.
* Deep knowledge of DB2 LUW (Linux, UNIX, and Windows) clustering with HADR, Pacemaker, TSA (Tivoli System Automation), and IBM PureScale for active-active database clustering and load balancing to ensure business continuity.
* Expertise in database security management with DB2 Audit Facility, role-based access control (RBAC), SSL/TLS encryption, and data masking to ensure compliance with GDPR, HIPAA, and other regulatory standards. Implemented data encryption-at-rest and encryption-in-transit for securing sensitive data.
* Advanced data replication techniques, including asynchronous replication, bidirectional replication, and bi-directional conflict resolution, with a focus on minimizing latency and ensuring data consistency across geographically distributed systems.
* Skilled in ETL (Extract, Transform, Load) pipeline management, with experience in DB2 Data Propagator and ETL Frameworks such as IBM InfoSphere DataStage for large-scale data migration, integration, and transformation in data warehousing environments.
* Proficient in DB2 LUW instance and database migration using IBM DB2 Migration Toolkit for seamless migration from legacy systems like DB2 for z/OS to DB2 LUW. Expertise in handling schema conversion, data mapping, and testing for production rollouts.
* Advanced troubleshooting using DB2 diagnostic tools such as db2diag, db2pd, and db2stop for identifying system bottlenecks, deadlocks, and lock contention in multi-user environments. Hands-on experience with AIX, RedHat Linux, and Windows Server in DB2 performance analysis.
* Comprehensive disaster recovery strategies including off-site replication, remote journaling, snapshot-based backup technologies, and mirror split backups for zero-data loss and disaster recovery testing.
* Expert in DB2 instance configuration (DBM and DB CFG settings), including buffer pool tuning, log file configuration, memory management, parallelism settings, and I/O tuning to achieve optimal performance under heavy transaction load.
* Experienced in database capacity planning for large DB2 environments (terabyte-scale databases), involving space management, table partitioning, compression strategies, and auto-grow settings for optimal storage management.
* Configured SSL on DB2 database servers to enforce secure client-server communication using SSL certificates, TLS handshakes, and encryption algorithms for enhanced data security in transit.
* Implemented DB2 load balancing and failover solutions with HADR, IBM DB2 Load Balancer, and network-based load balancers HAProxy, ensuring continuous application uptime with no service disruptions.
* Proficient in DB2 performance monitoring using tools like DB2 Performance Expert, DB2 Query Optimizer, db2pd, and db2top for diagnosing query performance, evaluating execution plans, and identifying resource bottlenecks.
* Extensive experience in database object management including table creation, index management, partitioning strategies, and constraint definitions (referential integrity, unique constraints) for ensuring data consistency and query performance.
* Expert in SAP database environment management with a focus on HADR configurations, TSA failover, and SAP system integration. Extensive experience in SAP database upgrade projects, post-upgrade validations, and patch management.
* In-depth knowledge of DB2 transactional logs, including log file archiving, log replay, and roll-forward recovery, ensuring transaction integrity and consistency during system restore operations.
* Skilled in troubleshooting and resolving complex database issues related to deadlocks, locking mechanisms, high-volume transaction failures, and memory contention, using advanced techniques and tools such as db2diag.log, db2pd, db2top, and trace facility.
* Provided 24x7 operational support for mission-critical environments, including proactive database maintenance, performance tuning, troubleshooting, and high-level problem resolution in high-stakes, time-sensitive environments.
* In-depth experience managing DB2 instances on AWS RDS, including setting up, configuring, and maintaining DB2 on AWS RDS instances for production environments.
* Database deployment and optimization on AWS RDS DB2, leveraging AWS capabilities like RDS Multi-AZ, read replicas, and Auto Scaling for better performance, availability, and scalability.
* AWS RDS DB2 instance configuration and management, including instance sizing, storage management, and maintenance activities like patching and backups.
* Database backups, patching, and security management for AWS RDS DB2, including automated backups and manual snapshots for disaster recovery planning.
* Expertise in DB2 security management in AWS RDS through SSL encryption, IAM roles, security groups, and fine-grained access control.
* Monitoring and performance tuning for DB2 on AWS RDS using Amazon CloudWatch, RDS Performance Insights, and DB2 native tools to ensure smooth operations and reduced latency in large-scale environments.
* High Availability (HA) solutions using AWS RDS Multi-AZ deployments and read replicas to ensure high availability and disaster recovery in cloud environments.
* Database performance optimization using DB2 Explain, Visual Explain, and Design Advisor tools in AWS RDS DB2 environments to improve query execution performance and system resource utilization.
* Strong experience with AWS services such as VPC, EC2, IAM, S3, CloudWatch, and Auto Scaling to manage, monitor, and scale DB2 environments for performance and availability.
* DB2 data integration with cloud-based data warehouses or databases, including leveraging AWS Glue and other ETL tools to optimize data flow and reduce latency.
* CI/CD pipeline development and automation using Bamboo, Jenkins, and AWS tools for code and database deployment, ensuring streamlined and continuous database updates and version control.
* I**mplemented Attunity Change Data Capture (CDC)** for DB2 to DB2 replication, ensuring real-time transactional data movement with minimal impact on production systems, supporting seamless data synchronization in high-volume OLTP environments.
* **Set up and managed Attunity Replicate for DB2 to PostgreSQL data replication**, enabling efficient migration and real-time data integration between DB2 LUW and PostgreSQL databases, ensuring smooth data transition with minimal downtime.
* Configured **Attunity Replicate for heterogeneous database environments**, enabling **DB2 to PostgreSQL replication** by utilizing CDC to continuously capture and propagate changes between DB2 LUW and PostgreSQL, ensuring data integrity and consistency.

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