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| atul.markan@gmail.com  (904) 540-3053  **Jacksonville, FL 32256**  Skills   * Linux operating system * Install and Setup PostgreSQL/ Aurora PostgreSQL cluster. * Install open-source PostgreSQL on-premises servers * AWS RDS * EC2/S3 * PostgreSQL (9/10/11/12/13/14) * PEM/EFM/Replication/Upgradation * PG Bouncer (Connection Pooling) * Vacuum/Bloating * GitHub (CI/CD) tools * Greenplum 6.19 & 6.21 * AWS/Cloud * BART * Foreign Data Wrapper * Citus (Hyper Scale) * Migrate PostgreSQL to RDS/Ec2 * Tools PGADMIN/Toad * Gpcopy, gprecoverseg * Greenplum command center * Roles & Responsibilities: * Performance Issue Diagnosis * Pythn/Shell scripting   Education And Training  *04/2004*  Master of Computer Applications:  Database Management  **Punjab Technical University**  India  *04/2000*  Bachelor of Commerce:  Ecommerce  **Punjabi University**  India  Certifications   * POSTGRES Advanced Server Associate. * AWS Solution Architect Association * Certified Kubernetes Administrator (CKA) * Oracle Certified OCP 12   Languages  English:    Professional  Hindi:    Native/ Bilingual  Punjabi:    Native/ Bilingual |  |  | ATUL MARKAN    Summary  Multi-talented Database Administrator with 16 years of expertise in designing, testing, and coding database solutions in various environments. Highly skilled in multiple technologies such as PostgreSQL, AWS Aurora., Citus, Greenplum DB, Oracle & cloud services. Motivated self-starter consistently meets deadlines and succeeds in high-pressure environments.  Experience  **MNTN - Sr. PostgreSQL Database Admin**  *12/2021 - Current*   * Setup Greenplum cluster * Greenplum cluster upgrade * Tools gpcopy/gpimport * Gprecovery * Setup Greenplum Command center * Setup the alert in Greenplum cluster * Migrate the Greenplum cluster from one Data Warehouse to another using gpcopy * Upgrade the GreenPlum Cluster * Recover & rebalancing the Greenplum cluster * Setup gpcc in Greenplum cluster * Planning, administration, expansion and install, configure Greenplum environment components and manage troubleshoot scheduled analytics * Performed GP environment architecture and design network layout for the system * Managed segments, recover segments during segment crash * Experience on Amazon RDS implementation, including Postgres migrations and deployments * Handling & Maintaining Users, Cluster, Databases in PostgreSQL * Setting Tuning Parameters in the PostgreSQL * Installation, database upgrades, patching, implement backup/recovery and monitoring procedures, capacity planning, and site failover/switchover * Performance tuning and optimization, query optimization, index tuning, caching, buffer tuning, etc. * Resolving performance bottlenecks and conducting routine maintenance tasks * Set high availability solutions such as replication and ensure continuous database availability * Major and minor upgrade PostgreSQL * Work with Data Engineering team to design, build and maintain ETL pipelines for PG * Working knowledge of relational database internals (locking, consistency, serialization, recovery paths) * Working on DBA\_PLANS in Aurora PostgreSQL * Add Read Replica in Aurora PostgreSQL * Upgrade Minor & Major version in AWS PostgreSQL and on-premises * Backup & Recover PostgreSQL databases using BART, PG\_DUMP & PSQL * Upgraded EFM from 3.1 to 3.7 * Setup Logical Replication in PostgreSQL * Setup PGREPACK * Setup FDW between PostgreSQL to PostgreSQL/Oracle * Logical and Physical backup using pg\_dump & pg\_basebackup * Pg\_restore in PostgreSQL * Resolve replication instances slowness issues * Validate the data with target after migrating * Experience in PostgreSQL on-premises to AWS migration using pg\_dump/DMS * Worked on the GreenPlum Cluster * Handling performance issue * Provide the solution on the complex problem * Monitored Greenplum cluster connectivity and security, support and maintenance * Collaborated with application teams to apply updates, patches, version upgrades as required * Maintain and configure MongoDB instances * Create roles and users and set their permissions in MongoDB * Remote * Worked on AWS Aurora PostgreSQL & postgreSQL11/14 * Troubleshooting using Performance insight & Cloud Watch logs * Performance tuning * Setup the monitoring alerts from the AWS * Experienced in installing, configuring, and upgrading Postgres databases and clusters * Configured and setting up physical & Logical Replication * Setup High Availability using EFM/repmgr on the PostgreSQL * Good knowledge of capacity planning and architecture design for database server deployment * Installation/configuration and implementation of PEM, BART, Performance Dashboard * Setup connection pooling using pgBouncer * Measure database performance and troubleshoot complex database issues, I/O bottlenecks, SQL Tuning   **Blue Cross Blue Shield - Sr. PostgreSQL Database Consultant**  *05/2019 - 12/2021*   * Administered supported and monitored databases by proactively resolving database issues and maintaining servers * Experienced in installing, configuring, and upgrading Postgres databases and clusters * Configured and setting up Streaming Replication * Setup High Availability using EFM/repmgr * Good knowledge of capacity planning and architecture design for database server deployment * Installation/configuration and implementation of PEM, BART, Performance Dashboard * Setup connection pooling using pgBouncer * Measure database performance and troubleshoot complex database issues, I/O bottlenecks, SQL Tuning * Setup and worked on pgstattuple, pg\_repack extensions * Experience with automation tools such as Control-M * Experience in working closely with the application development teams to resolve any performance related issues and provide application support * Experience to migrate on-premises PostgreSQL Cluster to EC2/RDS   **EDB - Database Consultant**  *10/2018 - 04/2019*   * Preparing schema migration report using EDB tools. * Configured PEM, BART, EFM on EDB PostgreSQL * Installation PostgreSQL 10/11 * Configure Replication using pg\_backup * Upgrade the clusters * Configure PG-Bouncer for connection pooling. * Setup PG-Badger reports * Setup PostgreSQl Logical Replication   **TriCore Solutions - Sr. PostgreSQL Database Admin**  *04/2015 - 10/2018*   * Setup PostgreSQL Migration tool Kit * Configure PG-Bouncer for connection pooling * Setup hba.conf to provide/restrict the access * Setup PostgreSQL Configuration parameters * Setup PostgreSQl physical/Logical Replication * Design & setup the database structure as per application requirement.   **PostgreSQL, Citagus Software USA Inc - DataBase Admin**  *07/2014 - 04/2015*   * Troubleshooting and tuning PostgreSQL databases, SQL Queries * Setup BARMAN for backup and Recovery * Setup logical backup using pg\_dump * Setup the PostgreSQl Extensions as per application requirement * Setup connectivity between Oracle and PostgreSQL Using Foreign Data Wrapper * PostgreSQL Major and minor upgrades.   **Mphasis Pvt Ltd - Principal Consultant**  *08/2012 - 07/2014*   * Migrated 10 TB database from Non ASM to ASM * Restore and Recovery of OCR and Voting Disk * Patching Bug and PSU on cluster level, binaries level and database level.   **HCL Technologies - Technical Specialist**  *04/2008 - 08/2012*   * Created and Configured Data Servers, Physical Schemas, Logical Schemas, Models, Interfaces for source and target Data Mapping and Packages * Designing, administration, implementation, troubleshooting, and quality management for several production and test systems on Oracle 10g, 11g Databases * Configure ASM, adding disk, dropping disk, created disk group.   **Wipro InfoTech - DBA**  *09/2006 - 04/2008*   * Install and Configure Oracle 9i/10g Databases server and client tools * Monitor/Troubleshoot the database related task * Backup and Recovery using RMAN/Manually/EXP/IMP * Worked on SQL Tuning and DataBase Perfomance * Worked with application/Developer Team * Generate the database report as per customer requirements. |

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