Himanshu Kumar

Senior Database Manager , Enterprise Data Warehouse - Bank of the West

Fremont, CA - Email me on Indeed: indeed.com/r/Himanshu-Kumar/2837a0907224a5d7

Strong technical database professional and management work experience in the e-commerce and banking vertical industry primarily Databases (VLDB's) in Clusters, OLTP and Data Warehouse on multiple environment & Engineering system platform. Dynamic, highly-technical, and goal-driven Senior Database leader with extensive experience, successfully spearheading critical systems management for high-profile online security, SaaS Hosting, IT consulting, E-commerce, and Banking companies. Proficient at planning, developing, implementing, and supporting SaaS hosting, highly available database infrastructure, data center and banking application solutions. Well versed in aligning IT efforts with executives' goals to ensure corporate success. Excels at senior-level communications, cross departmental collaboration and organizational leadership. Consistently develops top-performing global database teams that exceed management's expectations in 24/7 environment.

WORK EXPERIENCE

Senior Database Manager , Enterprise Data Warehouse

Bank of the West   -   San Ramon, CA - August 2015 to Present

Managing Enterprise Data Warehouse (EDW) DBA and DB Operation global team. My responsibilities include:

Database Operation Excellence
• Implemented Database Change Management Process
• Implemented Database Incident Response & Resolution Process
• Implemented Database Root Cause Analysis Process
Database Manageability and Optimization
• Automate and Standardized Database Installation, patching and configuration
• Pioneered Data and Database virtualization solutions like Delphix and Denodo implementation across DEV/ UAT environment.
• Partner with Application/Dev Team for performance and Query tuning
• Streamline, consolidate and Optimizing Database hardware resources, saving significant Capex Budget.
• Developed & Implemented DB Scaling and Storage forecast model
• Mongo Database POC and rollout for highly available application.
• Built POCs using new technologies such as Spark,Hive, Hadoop and Kafka.
Data Security & Protection
• Evaluated and Implementing Personally identifiable information and Sensitive Data Discovery and Masking tools like Imperva's Discovery and Assessment (DAS) product solution across enterprise wide databases
• Evaluated , Designed and Implemented Oracle Transparent Data Encryption for Data in Rest security
• Oracle Access and Identity Manager Expansion and Implementation.

Global Payment Database Manager

Amazon.com Inc   -   Seattle, WA - August 2014 to August 2015

Seattle , WA

Managing Senior Production DBAs for maintaining and supporting databases for Global Payment team at Amazon. Currently managing 400 Databases related to Payment applications in 24x7 environment, high

transactions OLTP environment and providing high SLA 99.999 with optimal resources and using commodity hardware.

• Scaling/Capacity Planning for holiday season through database stats and adding additional shards, performance tuning of existing apps sqls
• Consolidation of database monitoring to reduce number of monitors and unnecessary noise.
• Created road map for migration AWS RDS from current legacy oracle platform.
• Automate hardware monitors for Hardware issue and warning and fixing before failure to reduce hardware/ database failover.

Director Database Engineering & Operations

E-Commerce & SaaS Hosting , CA Inc   -   Sunnyvale, CA - March 2012 to July 2014

Managed Senior Production DBAs and DB Architectures team for designing, maintaining, supporting and troubleshooting several multi-terabytes database running on Oracle Linux platform having Oracle release 11g RAC databases, MySql and SqlServer database in 24x7 environment and providing high SLA 99.999.

Led Database team to build and deploy a Active/Active high availability Database service with 99.99% SLA for 2nd factor authentication, received CTO team award for high availability ..

Automation, Manageability and Monitoring
• Implemented Oracle Cloud Monitor 12c
- Automated RAC Provision, Mass provision of standard database, Apps/DB Server provisioning using Cloud monitor lifecycle / Configuration Management option.
- DB Patch Management and CPU/PSU upgrade.
• Implementation of Idera monitor for SqlServer DB and Enterprise MySQL monitor

High Availability
• Designed / Created tier level of DB Services Category Architecture with defined RTO and RPO
• Implementation of Oracle RAC and Active DataGuard for Silver level tier and Oracle RAC and Goldengate for Gold tier of DB Service
• Implementation of Master/Slave architecture for MySQL DB
• Two tier DB failover architecture to provide 100% uptime.

Datacenter Migration and Major upgrade
• Implemented of Real Application Testing tools for testing and comparing DB workloads
• Implementation of Oracle Dataguard snapshot tool for multiple time testing environment.
• Implementation of Oracle GoldenGate for near time migration.
• Testing Oracle DB 12c at Lab environment for validating products compliance.
Data Security and Compliance
• Hardening Oracle database and access control
• Implementation of Encryption of Redolog, Secure RMAN backup
• Data masking of production data during data movement for QA and Data warehouse environment
• Implementation of Active Dataguard to minimize data corruption and lost write protect issue.
• Participate in PCI, FedRamp and SAS70 audit program.
Performance/Optimization/Capacity Upgrade
• Implementation of tables partitions to large log type of tables to improve performance and archive/compress old data
• Implementation of Resource manager at DB level to allocate resources for customers.

•Created DB performance group to do sql tuning, sql rewrite with development team and involve DBA team at early stage of SDLC to optimize schema for high performance.
Backup and Database movement
• Implementation of Delphix tools for consolidate backup as well as providing virtual multi version databases with minimum storage and time to QA and Data warehouse group.

Explore DB technologies for future requirements and work with Engg team for implementation , currently working on Hadoop cluster/mongoDB POC for Credit Card Fraud detection project.

Director Database Services
Symantec Inc - August 2010 to March 2012

Director
Database Services - 2006 to August 2010

Senior Database Manager
VeriSign Inc - 1998 to 2006

VeriSign Inc, California

• Managed Senior Production, Development DBAs and Data Architect for designing, maintaining, supporting and troubleshooting 175 database instance running on Oracle Exadata X2, 64bit AIX and Linux platform having Oracle release 10g,11g RAC databases in 24x7 environment.
• Migrated mission critical databases from AIX platform to Oracle Exadata X2 platform to optimize the architecture of database servers, increase performance , capacity and datacenter resources.

• Provided managerial oversight for the entire database development and support lifecycle including backup/ recovery, performance tuning, physical layout, data sources, deployment, database security and maintenance related activities for highly available, real time certificate provisioning and high volume managed security services. Managed Security Databases having 1.5 billions transactions per day and size was 12TB running oracle 11g.
• Developed and monitored detail designs, specifications, and standards for enterprise database development based on functional specifications. Provided expert (best practices) technical direction to the software development cycle of a project based on architecture standards in database areas.
• Championed the design and develop solutions to maximize system availability and performance based on architecture standards. Performed capacity and performance management along with database upgrade, migration and be able to identify potential areas for improvement.
• Recognized the importance of proper monitors and tools to providing high SLA 99.999 to production databases and led team to implement Oracle Enterprise Manager (OEM) tools across all environment to provide high availability , reliability , and performance

• Provided thought leadership to strategic initiatives for High Availability Solutions stack for databases and led team to implement Oracle Active Data Guard , database encryption providing PCI Compliance , data masking , Snapshot Standby for optimal utilization of DR hardware and Secure BCV/RMAN solutions for backup.
• Participated various industry wide database auditing and compliance like PCI, SAS70 and FISMA.
• Explored and designed active-active databases across multiple datacenters using Shareplex technology and Oracle GoldenGate.
• Managed a critical initiative to consolidate datacenter by migrating and upgrading current databases to big datacenter at Delaware using Oracle HA and Testing technology stack ie Real Application Testing for minimal disruptions and automate testing.

• Developed and collaborated strong relationships with the various lines of businesses and teams to proactively anticipate emerging needs and meet project goals and milestones.

EDUCATION

BS in Computer Engineering
Karnataka Regional Engineering College(KREC)
2003 to 2004

SKILLS

Database (10+ years), product design (Less than 1 year), solutions (10+ years)

ADDITIONAL INFORMATION

UNIQUE SKILLS:
• Collaboration and Partnership: Created a high level of trust and commitment in working together across different team boundaries, cultures and countries, cross-departmental collaboration.
• Strategic Thinking: Identifies major trend and reveals strategic opportunities for customer and organization, ensures that "Big Picture" is being considered.
• Influencing: Establishes relationships up and down levels and across functions, connects potential solutions to customer needs to get buy-in.
• Organizational Innovation: Continually monitor operational processes and identify opportunities to enhance overall effectiveness and cost efficiencies.
• Technology Knowledge: Using emerging and mature database features technology synthesize low-risk and high-value solutions of problems in product design, implementation and services in database domain.
• Team Leadership: Global leadership in building teams, motivating, hiring and retain right talent to scale the function to align with business growth.