

## Contact

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## Top Skills

Data Migration  
RMAN  
Oracle Applications

# Ritesh Raj Singh

Software Engineer - Retail Store Apps at Apple  
Cupertino, California

## Summary

Contact Details : +1 507 312 4361

An accomplished Database Specialist with over 12 years of experience specializing in Database Administration, Designing and architecting in a fast paced 24x7 environments. Expert level technical skills in Oracle Database Management specializing in areas like Real Application Clusters, Performance Tuning, Disaster Recovery and Management and backup & recovery, capacity planning, design and implementation. In depth experience and understanding of infrastructure design, application/database/hardware interdependencies and functioning. Expertise in sql tuning, analytical sql, designing index strategy, parallel query operation and optimization technique.

Hold certifications like Oracle Certified Master 11g, Oracle Certified Master 10g, Exadata, Goldengate, Enterprise Manager 11g and Real Application Cluster Certifier Expert and 11g Performance Tuning. Experience covers various domains like Banking, Retail, Consulting and IT Management Services

A regular Technology Blogger in oracle community with blogs published at  
[www.Oracledba.in](http://www.Oracledba.in)

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## Experience

Apple

6 years 5 months

Software Engineer - Retail Store Apps  
February 2017 - Present  
Cupertino, California

Software Engineer - Databases  
July 2013 - February 2017 (3 years 8 months)

## Cupertino, California - USA

I work for IS&T division of Apple inc as a member of Performance Engineering and Architecture group, These are some of the responsibilities that I handle.

- ▶ Working cohesively with geographically distributed team of architects, managers and individual contributors.
- ▶ Quality assurance management of technical designs and deliverables and ensuring linkage to program objectives and the technology roadmap.
- ▶ Resolution of technical issues between vendors, business partners and technology teams.
- ▶ POC and Technology evaluation for Database Technologies
- ▶ Optimizing Oracle Exadata, TimesTen and NoSQL databases.
- ▶ Architecting Databases for Oracle, Vertica, MongoDB , TimesTen.
- ▶ Handling Performance tuning Escalations for RDBMS and NoSQL Databases.

## Fastenal

### Senior Database Administrator

December 2011 - July 2013 (1 year 8 months)

## Winona, Minnesota - USA

Senior Database administrator in the Database Practice team responsible for Database

design / management and administration of Oracle databases. Working closely with

Business Analyst, vendors and application developers to bring out the best of database

performance applications, data warehouse, warehouse management system and many other

applications like content management, e-commerce website, FAST Search and Vending

Machine Applications.

Responsible for the following functional areas

- Managing performance of Oracle Databases and handling high level technical escalation.
- Prepare and refine practice documents for Databases
- Recruit, retain and enhance technical pool of DBAs and PLSQL Developer.
- Provide hands on support on severity one issues.
- Database infrastructure design for high availability, business continuity plans and distributed databases
- Plan and execute large scale upgrades, cross platform migrations and server consolidation projects
- Manage various DBA activities on day to day basis
- Technical planning and solution provision
- Troubleshoot performance issues using 10046, 10053 traces generated using oradebug.
- Install and configure Real Application Cluster 11g R1, 11gR2.
- Planning and Implementing Intrasite Goldengate Replication across Winona and Indianapolis.
- Communicating with Business groups, analyst and vendors and bringing up ideas for implementation of new database technology, providing technical solution to infrastructure with features like RAC, Data guard, Goldengate, streams.

#### ARC Digital Solutions Pvt. Ltd.

Project Manager - Database Administration

July 2010 - November 2011 (1 year 5 months)

Mumbai - India

A Startup company Promoted by Gameking Private Limited, i was involved in handling Oracle Projects from different clients. Clients include Apple, IBM, RBS, TCS, Oracle University, Oracle Corporation, Bank of Ceylon, and IATA. Majority of the Job was with regards to Implementation, Product Training. We have also developed many non Oracle projects like telephony CTI, I have also Integrated many Oracle Database Along with Telephony CTI Application and manage them to handle 1000 of Callers whose voices are recorded inside oracle databases.

Responsible for the following functional areas

- Involved in Business requirements, analyzed, designed and developed the Functional specifications, mapping document/s to manage Oracle Infrastructure and Security.
- Analyzed source systems for data profiling and creation of source to target mapping specs

- Developed a standard ETL framework for reusability across the program involving similar logic.
- Implemented Slowly Changing Dimensions mappings as per the requirements
- Developed complex PL/SQL procedures and packages as part of Transformation and data cleansing.
- Written SQL Queries, Triggers, PL /SQL Procedures to apply and maintain the Business Rules.
- Performance tuning to ensure optimal session performance.
- Created excel tool for metrics reporting
- Worked in onshore/offshore model, providing guidance to offshore team in understanding the business process and helped in developing the mappings, queries
- Performed Unit Testing and Component Integration testing before handing over the code to QA
- Providing the status to management on daily/weekly basis.

### Lloyds TSB Bank plc

#### Senior Oracle DBA

September 2009 - June 2010 (10 months)

About Lloyds TSB Group: Lloyds TSB Group Plc is the largest retail bank in the United Kingdom, having acquired HBOS one of the three people in the United kingdom are now banking with Lloyds TSB Group plc. Responsible for several Lean initiatives by providing process design for several change mechanism inside the organization.

Responsible for the following functional areas

- Working with Oracle Technologies in a critical upgrade of oracle database from 9i to 10g involving eight Oracle databases. Databases migration is done from single node instance to 4 Node RAC instance from 9i to 10gr2.
- ETL process designing and batch executor designing for data warehousing.
- Database Uplift from 9i to 10g on a 4 Node RAC database.
- Goldengate implementation for oracle fallback between 9i to 10g. Day to day production activity, RAC upgradation new build and patching Quarterly releases.
- Streams Replication on RAC build for Oracle databases.
- Grid Setup configuration and Management.

### 3i-infotech

## Senior Database Administrator

May 2006 - August 2009 (3 years 4 months)

### Project Details

**High Availability System:** Configured and managing RAC system with ASM, VERITAS cluster system and OCFS 2.0 for various databases for a leading private sector bank in India. Configuring backups for RMAN as well as BC Volume Sync using VERITAS. Configuring Data Guard with cascaded standby for physical and logical standby for remote locations in India and maintaining RBI Guidelines.

**Audit Vault / DB Vault:** POC for Audit Vault / DB Vault for Major Databases at ICICI Bank for security implementation. Handling complex security policy requirement for satisfying Audit requirements. Implementing security policy violation and triggering it to audit vault auditor.

**Performance Management:** Handling Performance problems for major databases, created scripts and analysis tool for handling performance problem. Generating review and recommendation reports for performance problems.

**Migration of Critical DB's:** Migrating Critical ICICI Bank Databases from IDIRECT, LOANS, IPS and many more from One Oracle Version to another and from One Server to other servers with Sizes ranging from 10GB to 8TB.

## Gameking Private Limited

### Senior Database Administrator

December 2004 - May 2006 (1 year 6 months)

Worked as database administrator and developer for Gameking Pvt Ltd, I was responsible for handling mission critical database for an online gaming business. I have also worked with Oracle advance queuing and PLSQL development during my tenure, I also designed cascaded standby system to facilitate DR operations and offload reporting. I have started my career with this organization as a trainee during my Final Year of Graduation in Dec 2004, after finishing my graduation in April 2005, I started to work fulltime at their headquarters in Mumbai, India.

Responsible for the following functional areas

- PLSQL Programming
- Advance Queuing
- Multi-master replication using Materialized views
- ETL designing for data load
- General Administration

- Backup administration and scheduling ( Using RMAN Backups )
- Cascaded Standby ( Production # Physical Standby # Logical Standby )

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## Education

### UC Berkeley Extension

Certificate in Leadership and Management · (2015 - 2016)

### International Technological University

Master's Degree, Computer Software Engineering · (2013 - 2015)

### Oracle University

Oracle Certified Master 10g / 11g, Oracle Technology · (2009 - 2011)

### DOEACC

A Level, IT and Computers · (2002 - 2004)