

**Ranjeet Singh**

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## **Professional Summary**

- 🔗 12 Years of IT experience, 4+ years of experience as a Database Administrator/Cloud Migration Engineer/Database Architect with proficiency MongoDB 3.6, MySQL 5.7.
- 🔗 8+ years in Data Warehousing (ETL) & Big Data as Team Lead Role
- 🔗 Extensively work as Database Administrator/Cloud Migration Engineer/Database Architect with proficiency in MongoDB 3.6, MySQL 5.7, Redshift, Snowflake and Amazon RDS.
- 🔗 Strong Experience in Handling of 50+ MySQL Instance, and Backup and Recovery Policy of these Databases.
- 🔗 Has expertise in database software Installations, Database Migrations/Upgradation, Database Patching, Database Cloning, Database Capacity Planning, Database Designing, Automation of Database Tasks in MySQL/MongoDB on UNIX and Windows Server environment
- 🔗 Experience in Database Designing, Deployment, Management, Optimization, Performance Tuning and Providing 24\*7\*365 Production Support.
- 🔗 Good Experience in Database Management & Monitoring Tools( OEM, Toad, SQL Developer, MonYog, Percona Management & Monitoring Tool, Nagio, Data Dog and New Relic )
- 🔗 Strong Experience in Database Deployment, Management, Optimization, Performance Tuning and Provide Support on 24x7 basis for the Production environment.
- 🔗 Strong experience in MongoDB performance tuning, scalability, replication and high availability
- 🔗 Experience in consulting of development teams on sharding and indexing strategies and then implementing in HA environments.
- 🔗 Expertise in delivery, process, proposals for an Internal, risk management, estimation, tracking, client coordination, Track management (planning, controlling and closure)
- 🔗 Extensively worked on creating new ETL's in KNIME, Talend, **Informatica** and customized the existing ETL for creating the reports for financial modules and implemented processes instead of manual business processes. Creating New **DAC** plans for scheduling the ETL in HRW Data warehouse and validating the data from **OBIEE** reports.
- 🔗 Experience in Architecture, Design and Development of Big Data, Data Lake Platform.

- ❑ Innovative thinker, with the talent to generate ideas, providing solutions, proficiency and ability to lead & manage track effectively and efficiently.
- ❑ Flexible to adopt a new environment and willing to learn new technology.
- ❑ Extensively worked on **Oracle 9i, Oracle 10g** and **PL/SQL** programming.
- ❑ Extensively worked on **UNIX, Data Model** Using Erwin data Modeler.
- ❑ Extensively worked on **Banking/Investment Banking/Retail/Telecom/recruitment** Applications.

## **Technical Skills**

<b>TOOLS USED</b>	Talend, KNIME, Airflow, Redshift, Spark, HDFS, Hive, Python, Kafka, Erwin data Modeler, Toad, SQLs developer, MonYog, DataDog, NewRelic
<b>OPERATING SYSTEMS</b>	UNIX-HP, Windows XP, Windows 98, Windows NT, Windows 2000, Linux Red hat
<b>LANGUAGES</b>	C/C++/SQL/PLSQL
<b>DATABASES</b>	ORACLE 10g, MySQL 5.6/5.7 and Amazon RDS.
<b>CASE TOOLS</b>	Rally, Jira, Zendesk
<b>DOMAIN KNOWLEDGE</b>	Banking, Retail and Finance, Mutual fund, Transport and Telecom, Auto Industry and Energy

## **Education**

<b>Degree</b>	<b>University</b>	<b>Year of Passing</b>	<b>%</b>
MCA	University Of Rajasthan	2006	76%
B.Sc Computer Science	University Of Rajasthan	2002	62%

## **PROFESSIONAL TRAINING**

- Hadoop Architecture /Admin training from BigdataUSA.com
- MongoDB Administration Training from 10Gen Education
- Oracle 9i DBA training from Durga soft, Hyderabad
- Kanban Management Professional (KMP 1 & KMP2)
- Certified Scrum Master CSM
- MySQL Administration Training from Edureka

## Projects/ Achievements

<b>Project Name</b>	Central Analytics(Automatic Industry)
<b>Company</b>	Girnarsoft
<b>Client/Business</b>	Auto Industry
<b>Duration</b>	December 2019-Till Date
<b>Responsibilities</b>	<ul style="list-style-type: none"><li>❑ Team Management.</li><li>❑ Building up of Full AWS Stack(EC2 Instances,VPC,Amazon RDS &amp; Amazon Redshift)</li><li>❑ Optimization of MySQL RDS Instance at three Level(Configuration, Storage and Database)</li><li>❑ Direct Interaction with Percona Support team for Database Enhancement, Auditing and Security assessment as per as PCI Compliances.</li><li>❑ Monitoring and Management of MySQL RDS instances via MonYog, Data Dog and Percona Management and Monitoring Tool</li><li>❑ Implementation of Partitions Mechanism to optimize queries.</li><li>❑ Experience in Snowflake data modeling, ELT using Snowflake SQL, implementing stored procedures and standard DWH+ETL concepts</li><li>❑ Good in Snowflake advanced concepts like setting up resource monitors, RBAC controls, virtual warehouse sizing, query performance tuning, zero copy clone, time travel and understand how to use these features</li><li>❑ Setting up of Master-Master Replications for Speedup the Write and Read Operations</li><li>❑ Automation of DB user creation process and schema changes i.e adding indexes,columns via pt-osc tool</li><li>❑ Defined and Implemented a Process to archive the older data via pt-archiver tool</li><li>❑ Designed and developed a real time, rule based, data processing framework using Spark Streaming and Kafka to automate real</li></ul>

	<p>time delivery of transformed data to S3 data lake</p> <ul style="list-style-type: none"> <li>❑ Assisting Data Science Team to create a Pipeline to Feed data into Data Warehouse</li> <li>❑ Migration of existing structured data from MySQL to Hadoop/Hive using Sqoop</li> <li>❑ To develop Hive programs to cleanse and parse data in HDFS obtained from various data sources and load it in Hive tables</li> <li>❑ Creation of tables, data distribution by implementing partitioning and bucketing, writing and optimizing the HQL queries on Hive data warehouse tool</li> <li>❑ Installation, Configuration and Management of Mysql Database with Replication.</li> <li>❑ Making DR design and Define Backup/Recovery Procedure of Mysql Databases.</li> </ul>
<b>Environment</b>	Unix,Windows, MySQL 5.7 and 8.0, Mongo 3.6 Talend, KNIME and Airflow

<b>Project Name:</b>	RIS(International Reconciliation Information System)
<b>Company</b>	IBM
<b>Client/Business</b>	American Express
<b>Duration</b>	April 2017- December 2019
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>❑ Installation and Configuration of MySQL RDS instance with Multi Read Replica to do balancing read operations.</li> <li>❑ Setting up backup and Recovery Policy of MySQL RDS Instances and Scheduling Shipping of Snapshot Backup and Logical Backup to S3 Storage</li> <li>❑ Building up of Full AWS Stack(EC2 Instances, Docker, OpsWorks, VPC, Amazon RDS, Route 53)</li> <li>❑ Optimization of MySQL RDS Instance at three Level(Configuration, Storage and Database)</li> <li>❑ Monitoring and Management of MySQL RDS instances via MonYog, Data Dog and Percona Management and Monitoring Tool</li> <li>❑ Implementation of Partitions Mechanism to optimize queries</li> <li>❑ Setting up of Master-Master Replications for Speedup the Write and Read Operations</li> <li>❑ Automation of DB user creation process and schema changes i.e adding indexes, columns via pt-osc tool</li> <li>❑ Defined and Implemented Process to archive the older data via pt-archiver tool</li> </ul>

	<input type="checkbox"/> Automation of DB user creation process and schema changes i.e adding indexes,columns via pt-osc tool
<b>Environment</b>	MySQL 5.7, Mongo 3.6, S3, Glue, Redshift, Kafka, Spark, Sqoop and Unix.

<b>3.</b>	Project Name: OFA (Oracle Financial Analytics)
<b>Company</b>	IBM
<b>Client/Business</b>	American Express
<b>Duration</b>	March 2016-April 2017
<b>Project Description</b>	<p>The AMEX Oracle Financial Analytics (OFA) Project is responsible for Providing Critical Business Intelligence Reporting on Oracle apps Financial Analytics Function of American Express. The IBM is responsible for Providing Expert Consultation service on Oracle Business Intelligence Applications (BI Apps), The Current Team constitutes of Consultants from IBM that provides sound Business as Well as Technical knowledge of Amex Business, The Team consists of six resources that works in conjunction with Amex IT &amp; Business to support on Development Activities and provide the new automated process. This Team is responsible for providing Business Intelligence reports from integrated to Heterogeneous Data sources (Oracle apps GL).</p> <p>The Project requires Expertise on Technologies like Data Warehouse and Business Intelligence and strong command on tools like ETL Informatica and Oracle Business Intelligence Applications, Informatica and DAC. There are several Development Projects that are being executed under the Oracle Financial Analytics Development Project was manual process of Oracle Financial Analytics (OFA). We have automated these process and provide the OIBEE reports to Business.</p> <ol style="list-style-type: none"> <li>1) MJE detail dashboard (Manual Journal Entry)</li> <li>2) Trial Balance Report (Monthly, quarterly and Yearly)</li> <li>3) Entity Controller Dashboard Report</li> </ol>
<b>Roles and Responsibilities</b>	<input type="checkbox"/> Extensively working on Creating, updating ETL's on OFA analytics and providing the production support on ETL jobs which is running in OFA Data warehouse during Project. <input type="checkbox"/> Analysis of the specifications provided according to the requirement. <input type="checkbox"/> To study and understand the business and technical requirement of the Interfaces which is used to pull the data and update the data warehouse and provide the output files as they need in the required format.csv, txt, fixed width file. <input type="checkbox"/> Creating the technical design documents and UAT test case as per the new requirements for interfaces like MJE, Entity Controller dashboard etc. <input type="checkbox"/> Running the Scripts and loading the data from OFA database to

	<p>FABI Data warehouse using the DAC and informatica 9.1 and validating the data in Reporting tool OBIEE.</p> <p>❑ Responsible for overseeing the Quality procedures related to the project</p>
<b>Environment</b>	Oracle 11G, Oracle Business Intelligence (OBIEE 11G), Informatica, DAC and Unix.

<b>4.</b>	Project Name: AMEX HRW Analytics
<b>Company</b>	IBM
<b>Client/Business</b>	American Express
<b>Duration</b>	May 2010-Feb 2016
<b>Project Description</b>	<p>The AMEX HRW Analytics Project is responsible for Providing Critical Business Intelligence Reporting on HR Function of American Express, The IBM is responsible for Providing Expert Consultation service on Oracle Business Intelligence Applications (BI Apps), The Current Team constitutes of Consultants from IBM that possess sound Business as Well as Technical knowledge of Amex Business. IBM Team is responsible for Handling Business Intelligence Application of HR reporting that are integrated to Heterogeneous Data sources (PeopleSoft, Taleo etc.)</p> <p>There are several Development Projects that are being Executed under the HRW Analytics Development Project , The Projects and their Objectives are listed below</p> <ol style="list-style-type: none"> <li>1) Employee Scorecard :This project was a critical to Amex HR Business to provide the data in Data warehouse for Reporting on <ol style="list-style-type: none"> <li>a) Extract of Nine Box, Position Management and Succession Planning Data from Taleo.</li> <li>b) Create ETL's and report for all metrics related to B45+, the band will be picked from Position management data extract</li> </ol> <p>The Reporting Objective for Project was to create an Employee Score Card Dashboard from the Data Extract in form of CSV files.</p> </li> <li>2) AON Interfaces: The HR Data as a business exercise is being migrated to AON infrastructure, few of the Interfaces are required to create Data Feeds in form of Fixed Width Files. <ol style="list-style-type: none"> <li>a) SDU -SDU Employee list feed is an outbound interface from PeopleSoft; this program generates data extract files with employee information for employees belonging to USA regulatory region. This interface will be scheduled to run weekly, an ETL Effort was required on the same to generate the file.</li> <li>b) BCP -BCP file extract is an outbound interface from PeopleSoft; this program creates data feed for Business</li> </ol> </li> </ol>

	<p>Continuation Purposes, this is a weekly outbound file, which will contain Employee personal data, Job data and Emergency contact information. This interface file will contain data for employees from AUS, CAN, USA and GBR Regulatory regions. This Required an ETL Effort as per the requirement to generate the fixed width file.</p> <p>3) ETMS -This Project has requirement to generate the HRE flat file daily. ETMS information through Data Warehouse and People Soft. HRW / People track will be integrated to ETMS via SFT so as to obtain a daily feed of PII information, leader hierarchical information, Organization hierarchy of India employees and contractors. ETL effort was required on the Fixed Width File that was to be used by INDIA transport</p> <p>4) NetTime, SWN, BEAT, WFA are the interfaces creating the output files on the base of the requirement.</p>
<b>Roles and Responsibilities</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Extensively working on Creating, updating ETL's on OFA analytics and providing the production support on ETL jobs which is running in OFA Data warehouse during Project.</li> <li><input type="checkbox"/> Analysis of the specifications provided according to the requirement.</li> <li><input type="checkbox"/> To study and understand the business and technical requirement of the Interfaces which is used to pull the data and update the data warehouse and provide the output files as they need in the required format.csv, txt, fixed width file.</li> <li><input type="checkbox"/> Creating the technical design documents and UAT test case as per the new requirements for interfaces like MJE, Entity Controller dashboard etc.</li> <li><input type="checkbox"/> Running the Scripts and loading the data from OFA database to FABI Data warehouse using the DAC and Informatica 9.1 and validating the data in Reporting tool OBIEE.</li> <li><input type="checkbox"/> Responsible for overseeing the Quality procedures related to the project</li> </ul>
<b>Environment</b>	Oracle 11G, Oracle Business Intelligence (OBIEE 11G), Informatica, DAC, Unix.

<b>5.</b>	Project Name: TRIMS (Trade Information Management System)
<b>Company</b>	Polaris Software Lab Ltd.
<b>Client/Business</b>	Citi Bank , USA
<b>Duration</b>	Jan 2010-Aug 2010
<b>Project Description</b>	TRIMS is a comprehensive Global Trade Finance Division (GTFD) system that processes transactions from initial registration to final liquidation for all GTFD products. TRIMS is designed to provide end-to-end Trade processing support on a single global system platform:

	Transaction registration and Letter of Credit (LC) Issuance, Advising and Amendment processing.Bills (Payments) processing and Accounting processing. Static Database (SDB) maintenance
<b>Roles and Responsibilities</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Extensive experience in developing various workflows and Mappings using Lookup,Joiner, Filter, Expression, Source Qualifier, Update Strategy, Sequence Generator and Router Transformations.</li> <li><input type="checkbox"/> Monitoring Scheduled jobs in Informatica.</li> <li><input type="checkbox"/> Providing daily support to Business Users and assisted them in using the</li> <li><input type="checkbox"/> Data warehouse, finding the correct information and explaining glossary if required.</li> </ul>
<b>Environment</b>	Oracle 10 G, Oracle Business Intelligence (OBIEE 10G), Informatica, DAC, Unix

<b>6.</b>	<b>Project Name: Modespace TFS (Trailer Fleet Service)</b>
<b>Company</b>	<b>Polaris Software Lab Ltd.</b>
<b>Client/Business</b>	<b>GE-GDC, USA</b>
<b>Duration</b>	Feb 2009-Dec 2009
<b>Project Description</b>	GE TIP (Transport International Pool) is the Origination for Transport business of GE Company and TFS is the business of GE TIP. It Provides the Trailer on rent, lease, buy and sell semi-trailers for use in combination with Class 8 tractors. In addition it provides rent, lease, buy and sell used tractor-trailers for use in over-the road trailer rental or storage trailer rental applications. It rents and leases trailers under maintenance and non-maintenance agreements to private fleets, common carriers, power leasing companies and government agencies.
<b>Roles and Responsibilities</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Analysis of the specifications provided according to the requirement.</li> <li><input type="checkbox"/> Maintenance and troubleshooting of bugs/issues.</li> <li><input type="checkbox"/> Development of Reports.</li> <li><input type="checkbox"/> Creation of utilities for resolution of problems.</li> <li><input type="checkbox"/> Bug fixing.</li> <li><input type="checkbox"/> Responsible for overseeing the Quality procedures related to the project Documentation.</li> </ul>
<b>Environment</b>	Oracle 10 G, Power builder 11.0.

<b>7.</b>	<b>Project Name: Long Term Care Administration System (LTCAS)</b>
<b>Company</b>	<b>DST Global Solution (I) pvt Ltd, India</b>
<b>Client</b>	<b>Long Term Care Group (LTCG), AIG, CALPERS, and GENWORTH, US</b>
<b>Duration</b>	Jan 2008 –Jan 2009
<b>Project</b>	DST Global Solutions (I) pvt Ltd is working on Health Insurance Domain.



<b>Description</b>	The project name is Long Term Care Administration System (LTCAS). This Product is used by Insurance Companies in USA.
<b>Roles and Responsibilities</b>	<input type="checkbox"/> Analysis of the specifications provided according to the requirement. <input type="checkbox"/> Maintenance and troubleshooting of bugs/issues. <input type="checkbox"/> Development of Reports. <input type="checkbox"/> Creation of utilities for resolution of problems. <input type="checkbox"/> Bug fixing. <input type="checkbox"/> Working on stored procedure, trigger, function and modification of db objects <input type="checkbox"/> Responsible for overseeing the Quality procedures related to the project Documentation.
<b>Environment</b>	Oracle 10 G, Power builder 10.0.TFS Version tool

<b>9.</b>	<b>Project Name: MFUNDAM</b>
<b>Company</b>	<b>3i-infotech Ltd, India</b>
<b>Client/Business</b>	<b>SBI Mutual Fund, Kotak Securities, ICICI, LIC Mutual Fund, HDFC Mutual</b>
<b>Duration</b>	Jun- 2007-Dec 2008
<b>Project Description</b>	3i-Infotech is working in the Capital Market Division on Mutual Fund/ Insurance Domain. The MFUMDAM Project is used by Asset Management Companies / Insurance Companies for Fund Accounting purposes of back office.
<b>Roles and Responsibilities</b>	<input type="checkbox"/> Analysis of the specifications provided according to the requirement. <input type="checkbox"/> Working on new enhancements of Power builder objects in existing projects (MFUNDAM) according to the business requirement. <input type="checkbox"/> Working on stored procedure, trigger, function and modification of db objects <input type="checkbox"/> Maintenance and troubleshooting of bugs/issues. <input type="checkbox"/> Creation of utilities for resolution of problems. <input type="checkbox"/> Involved in Coding, Unit Testing and Bug Fixing. <input type="checkbox"/> Creating EXE and provide Production Support to users
<b>Environment</b>	Oracle 10 G, Power builder 9.0.

<b>10.</b>	<b>Project Name: BancMate</b>
<b>Company</b>	<b>Natural Technology pvt Ltd, India</b>
<b>Client/Business</b>	<b>Punjab National Bank, Vijaya Bank, Allahabad Bank, Bank of Rajasthan</b>
<b>Duration</b>	Nov- 2006 – May 2007
<b>Project Description</b>	Natural Technology Private Ltd (NTPL) is Jaipur based Software Company engaged in Banking Software (BancMate). The BancMate is bilingual Software used by various banks for its operations. The following areas were exposed to me during development period LOAN/RETAIL LENDING

	MODULE
<b>Roles and Responsibilities</b>	<input type="checkbox"/> Analysis of the specifications provided according to the requirement. <input type="checkbox"/> Working on new enhancements of Power builder objects in existing project (BancMate) according to the business requirement <input type="checkbox"/> Working on stored procedure, trigger, function and modification of db objects <input type="checkbox"/> Maintenance and troubleshooting of bugs/issues. <input type="checkbox"/> Development of Reports. <input type="checkbox"/> Creation of utilities for resolution of problems. <input type="checkbox"/> Involved in Coding, Unit Testing and Bug Fixing. <input type="checkbox"/> Creating EXE and provide Production Support to users
<b>Environment</b>	Sql Server 2005,2008, Power builder 6.5,9.0,10.0

## PERSONAL DETAILS

<b>Name:</b>	Ranjeet Singh
<b>D.O.B:</b>	07th February 1979
<b>Gender:</b>	Male
<b>Nationality:</b>	Indian
<b>Permanent Address:</b>	Jaipur
<b>Current Location:</b>	Gurgaon

Date: 13-09-2020

Place: Jaipur

(Ranjeet Singh)