

Bharat Kumar

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Five years strong experience as Data Engineer in technologies like Big data and its ecosystems, Datawarehousing, AWS and python.

EXPERIENCE SUMMARY

- Expertise in Cloud Computing that includes AWS - EC2, S3 / Access logging, Redshift, Glue, AWS Glacier , Athena, Inspector, Route 53, AWS cross region replication and AWS CLI. Also worked on building aws data and ETL pipeline.
- Expertise in NOSQL database Cassandra, HBASE.
- Experience in Python, Spark and PL/SQL Languages
- Knowledge of Lambda in AWS and Airflow.
- Solid understanding of data warehouses, Data Marts, Dimensions, Star schema and Snowflake.
- Knowledge in BI tools like Power BI.
- Solid experience in Big data Ecosystems like Hive, sqoop, kafka (Security, configuration, Monitoring), Zookeeper.
- Worked on Kafkas APIs for handling real time data.
- Migrated Oracle (5 TB) data on AWS cloud.
- Management of objects, schema, partitioning the tables, Indexes.
- Provided 24*7 production support with support to developers & end-users.

Information Technology experience by client sector groups		Exp. (years)
Telecom	<i>Bharti Telecom -India, MTS-India, GLOBE-Philippines, EMTel- Mauritius</i>	4
Retail	<i>Flipkart, Future group - India</i>	2
Foreign Exchange	<i>International Travel House- India</i>	2
Pharma	<i>Novartis Pharma - Switzerland, Inventive Health Care - US</i>	4
Manufacturing/Electric	<i>Ballarpur Industries Limited- India, ONCOR (USA)</i>	2

Qualifications
Master of Computer Application in Computer Engineering, 2004
Master of Science in Software Science, 2012 from BITS Pilani

Professional Certifications and Achievements	
Certifications	<ol style="list-style-type: none">1. OCP in Oracle 9i,10g,11g in Database Administration2. OCA in Oracle 10g in Database Developer3. SQL server 2005 certify in Administration4. Red Hat Linux certify.5. AWS Associates Architect.
Awards	<ol style="list-style-type: none">1. Technical Excellence Award.2. Service and Commitment award

IT Skill Set	Range of skills	Exp. (years)
Operating System	Linux RHEL, UNIX and Windows	8
RDBMS / NOSQL	Oracle 12c/11g/10g/9i, MYSQL, HBASE, Cassandra	6
Application Servers	WeblogicServer, Tomcat	6
Cloud Computing	AWS	2
Languages	PL/SQL, Python	5
Applications / Tools	Sql developer, SQL Loader, TOAD 7.6/7.5, Oracle Enterprise Manager, Zeppelin	4

WORK EXPERIENCE

Associate Consultant, HCL Technologies, India, 14th Oct. 2014 – till date

Project : Oncor Electric, Novartis Pharma

- Configured and troubleshot kafka (creating topics, partitions, producers and consumers).
- Optimisation performance in HIVE/SQL familiarity with partitioning, bucketing, indexing.
- Loading data into HDFS using sqoop.
- Involved in developing schemas in NOSQL (Cassandra).
- Wrote pyspark program for business use cases also having experience seaborn, Pandas, scipy, Numpy.
- Configured and designed data handling in S3 storage.
- Created monitors, alarms and notifications for EC2 hosts using Cloud Watch
- Used AWS Redshift, S3 and Athena services to query large amount data stored on S3 to create a Data Lake.
- Converting data from txt to Parquet format in HIVE.
- Wrote python code for automation of jobs.
- Wrote Python code to view and connect the Cassandra instance.

Technical Specialist, UTIBA Inc., India, June 2010 – Sept. 2014

Project : MTS, EMTEL, GLOBE, Bharti Airtel

- Configured, monitored oracle 11g RAC (3 nodes) and troubleshoot.
- Involved in the team to build datawarehouse server for reporting purpose.
- Configured and Monitored physical standby database.
- Migration from Non ASM to ASM.
- Auto patching
- Performance Tuning: Explain Plan, Staspack, AWR/ ADDM, Hints, DB Parameter etc.
- Provided training sessions on Oracle DBA
- Upgrade from 10g to 11g and 12c - standalone DB.
- Experience using Oracle 10g Flashback on Database, Drop & Table features.
- Preparation RCA and Method of Procedure (MOP)
- Done DB cloning using RMAN.
- Applied CPU patches both on standalone and standby.
- Responsible for physical and logical backup plans.
- Database refresh on using traditional EXPORT-IMPORT, EXPDP-IMPDP, RMAN backup.
- Experience in Database Purging.
- Add / Decommissioned the Node on running cluster.

Senior Oracle DBA, WIPRO, India, June 2008 – June-2010

Project : ITH, Flipkart

- Managed, monitored, configured of 30 production support database on different operating systems. Import / Export using Data Pump utility in 10g, Created / modified SQL scripts, programming in PL/SQL.
- Used RMAN utility such as Flash back in Oracle.
- Handled backup and restore the database activities.
- Managed tablespaces, datafiles and created users, profiles, roles.
- Used log miner utility, SQL loader
- Performance Tuning: Explain Plan, Staspack, AWR, Hints, DB Parameter etc.
- Designed /developed ETL strategy between POS and regional database server using Informatica tool.
- Coordinated with the client and gathering the user requirements.
- Understanding of design goals of ER modeling for OLTP and dimension modeling for OLAP.
- Designed dimensional model (Snow Flake) for the corporate data mart and designing star schema.

Senior Software Engineer, IBilt Technologies, India, March 2006 – May 2008

Project : Ballarpur Industries Ltd.

- Managed, monitored database (9i), security procedure, backup and recovery using RMAN utility.
- Create / Modify SQL scripts.
- Also worked on SQL server 2005 and Citrix servers.
- Development and designing of Forms and Reports in D2K version 4.5.
- Development of PL/SQL cursors, packages and triggers.
- Optivision Installation and Configuration (56 Clients)
- Version Control Of the ERP Software using Visual Source Safe (VSS)
- Troubleshoot the ERP Applications using SQL, Windows 2000
- Monitored of the Application Server (Windows 2000 Advance Server, Citrix).

- Developed a web-based application using Apache web server, coding in PHP, AJAX, Java and Java Script.
- Gathered the requirement from the client and translated the business details into technical design.
- Interface with Oracle Corporation for technical support.