KISHAN **SHANDILYA**

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Data Architect with 12 years' experience in IT industry. Expertise in design, development, deployment and implementation of on-premise and Cloud-based big data solutions. Hands-on in developing a massively scalable, and resilient cloud-based applications to extract meaningful insights from data.

SKILLS

- ETL (Informatica PowerCenter 10.x)
- Data Warehousing (Star | Snowflake Schema)
- Data Modelling (Conceptual | Logical | Physical)
- SQL (Teradata | Oracle)
- Scripting (Unix)

- Language (Python)
- Big Data (HDFS | PySpark | Hive)
- AWS (EMR | S3 | Redshift | Lambda | Glue | Athena | RDS |MWAA)
- SDLC (Agile | Waterfall | DevOps)
- CI/CD (Jenkins | GitHub)

EXPERIENCE

AUGUST 2023 – PRESENT

AWS DATA ARCHITECT, COGNIZANT

- Working with a Life-Science domain client as an AWS Data Architect.
- Managed team deliverables working in DevOps mode, maintaining a balance between regular operations and enhancements.
- Recommended optimized solutions for a bi-directional system based on business requirements; ensuring timely delivery and minimal bugs.
- Implemented solutions for improving the overall performance of the existing architecture, without increasing the associated costs; improving performance by 40%.
- Designed cloud-first solutions for migration of on-premise application to AWS environment.
- Used AWS services such as EMR, S3, MWAA, Athena, Glue and RDS(MySQL).
- Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
- Effectively implemented Spark based solutions using spark dataframes and sparkSQL.
- Effective use of various file formats –Parquet, JSON, CSV along with effective optimization technique in spark and hive.
- Trained team on usage and best practices of Github and VSCode.
- Implemented documentation best practices in the project by standardizing documents like Test Case document, Design Document, Deployment document.
- Introduced agile best practices in the team.
- Expertise in HDFS Architecture, Cluster concepts and Distributed computing.
- Experience working with various data migration project to migrate from legacy to modern data warehouse.

SEPTEMBER 2019 – AUGUST 2023

LEAD DATA ENGINEER, WIPRO TECHNOLOGIES

- Worked with a telecom domain client as a lead data engineer.
- Managed deliverables in the midst of migration from on-premise to a cloud-based solution.
- Assessed feasibility of platform based on requirements and data availability (cloud vs on-premise) for project delivery.
- Recommended solutions for interaction between on-premise and cloud data for reporting purposes based on data volume and performance.
- Designed cloud-first solutions for migration of on-premise application to AWS environment.
- Used various AWS services like EMR, S3, Redshift, Lambda, Cloud-formation, IAM, Step Functions, SNS and Event Bridge.
- Configured S3 buckets with various life cycle policies to archive infrequently accessed data to storage classes based on requirement.
- Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
- Developed enterprise data mart and integrated data from staging layer to Redshift.
- Migrated historical data from Teradata to Redshift.
- Implemented data warehousing projects, integrating data from various sources by creating ETLs, SQL & Unix Scripts.

OCTOBER 2016 – SEPTEMBER 2019

SENIOR CONSULTANT, CAPGEMINI

- Worked as Technical Lead to understand requirements and create design documents.
- Interacted with Business Users for gathering reporting requirements.
- Led an onsite / offshore model team of up to 3 onsite and 10 offshore resources.
- coordinated requirements with team and provided guidance during development and testing phases.
- Responsible for projects estimates, design documents, resource utilization and allocations.
- Development and maintenance of Finance, Risk and Treasury mart, the source data mart for multiple regulatory reports.
- Designed and developed a solution for optimizing space consumption and data retrieval performance of the archival database.
- Created a framework to automate peer-code review checklist using Informatica PowerCenter, SQL queries and Unix shell scripts.
- Extensively utilized parameterization for standardizing the ETL and making it generic. Merged workflow level parameter file with session level.
- Extensive use of Lookup Shared Cache, Persistent cache, Static cache, Connected, Un connected lookups, Update override.

APRIL 2015 – OCTOBER 2016

BUSINESS TECHNOLOGY ANALYST, ZS ASSOCIATES

- Responsible for end-to-end development in capacity of individual contributor.
- Coordination with business stakeholders to finalize designs and confirm requirements.
- Query optimization and performance tuning of ETL jobs.

JULY 2012 – APRIL 2015

SOFTWARE ENGINEER, L&T INFOTECH

- Responsible for ETL development as an individual contributor.
- Unit-testing, Bug fixes, enhancements and maintenance of ETL jobs and BI reports in various project.
- Generation & analysis of Annual as well as Quarterly Revenue consolidation reports (Account-Breakup & Technology-Breakup).

EDUCATION

AUGUST 2008 – JUNE 2012

BACHELOR OF ENGINEERING, DAYANANDA SAGAR COLLEGE OF ENGINEERING

Chemical Engineering
Percentage Score - 65%

APRIL 2007 – MARCH 2008

CLASS 12TH, BR DAV PUBLIC SCCHOOL

Science (Physics, Chemstry, Maths)
Percentage Score – 79.6%

APRIL 2005 – MARCH 2006

CLASS 10TH, BR DAV PUBLIC SCHOOL

(English, Science, Maths)
Percentage Score – 87.5%