

RISHABH TRIVEDI

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EXPERIENCE

Cloud Solutions Architect – Data & Analytics

Deutsche Boerse - Jul 2020 – Present

- Specialized in developing and deploying scalable data and Analytics solutions using Microsoft Azure, optimizing performance and driving innovation.
- Worked on testing & deploying Analytics solutions on GCP.
- Designed and executed a strategy for migrating Azure cloud resources between subscriptions, optimizing resource allocation, enhancing cost-efficiency, and ensuring minimal disruption to operations.
- Led the successful strategy and migration of a 3-tier application from an on-premises environment to Azure Cloud using PaaS solutions.
- Executed a proof of concept for deploying Looker on Google Cloud with Extensions, meticulously aligning the deployment with the organization's security model to ensure robust data protection and compliance.
- Leveraged Google Cloud's native services and Databricks' Delta Sharing framework to design and implement a modern data mesh architecture, facilitating decentralized data management & sharing across the organization.
- Developed and implemented real-time data analytics solutions by integrating Apache Kafka with Azure Databricks, enabling swift data processing and immediate insights for business-critical decisions.
- Streamlined infrastructure deployment and management by automating processes with Terraform, Atlantis, and GitHub Actions workflows, ensuring efficient, consistent, and scalable cloud infrastructure.
- Conducted successful POC for CDC using Kafka Connect and SQL Connector, showcasing potential improvements in data synchronization and consistency.

Big Data Engineer

Tata Consultancy Services - Dec 2013 - June 2020

- Managed a data lake/Hadoop platform used by over 1,500 users.
- Expertise in performance tuning for Hadoop ecosystem components, including HDFS, Spark, and Impala.
- Extensive experience with the Apache Hadoop ecosystem and its components.
- Designed internal process improvements to automate repetitive tasks, reducing project delivery times by 33%.
- Developed multi-site system architecture plans for business continuity, ensuring 100% system availability as part of a disaster recovery strategy.
- Collaborated with system architects, design analysts, and other stakeholders to meet business and industry requirements.
- Documented solutions and created user guides to establish best practices.
- Planned and installed Cloudera Data Hub (CDH) upgrades to enhance cluster performance.
- Worked in a fast-paced agile development environment to quickly analyze, develop, and test potential business use cases.
- Designed and implemented scalable application architectures using Hadoop and Spark, resulting in a 30% increase in data processing efficiency over a 12-month period.

PROJECTS

Big Data & Advanced Analytics

Providing Modern Data Platform Solutions on multi clouds to drive business analytics across Organization. This also includes Artificial Intelligence & Machine Learning based solutions

Enterprise Analytics Platform

Implementation of Cloudera's shared Hadoop services for various tenants across the globe using multiple on-premise clusters in Deutsche Bank.

EDUCATION

Bachelor in Technology (B.Tech)

Madan Mohan Malaviya Engineering College, India

CERTIFICATIONS

Amazon Web Services

Cloud Practitioner, Solutions Architect Associate, Solutions Architect Professional, Data & Analytics Specialty

Microsoft Azure

Azure Fundamentals, Azure Administrator, Azure Solutions Architect Expert

Google Cloud

Associate Cloud Engineer

Databricks

Data Engineer Associate, Data Engineer Professional

Telc GmbH

German Language B1

SKILLS

Compute

Virtual machines, Containers, App Service, Functions, Kubernetes

Storage

Blob storage, Disk storage, File storage

Database

MS SQL, MySQL, Postgres, Oracle

Data Analytics & BI

Databricks, Spark, Hive, Impala, Big Query, PowerBI, Looker

DevOps

Terraform, GitHub, Atlantis

Programming Languages

Python, SQL, Bash