

# RISHABH TRIVEDI

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Frankfurt, Germany | **Phone:** +49-1767-0410-594 | **E-Mail:** [contacttorishabh@gmail.com](mailto:contacttorishabh@gmail.com) |  
**LinkedIn:** <https://linkedin.com/in/rishabh-trivedi-25615757>

## Professional Summary

A Senior Cloud Solutions Architect with 12+ years of experience designing and delivering large-scale data and AI platforms on Azure and Google Cloud. Expert in building secure, scalable, and cost-efficient cloud-native architectures using leading services and tools. Proven leader in data engineering, DevOps, and governance, with a strong track record of driving innovation and operational excellence to support business transformation.

## Key Skills

**Cloud Platforms:** Azure, Google Cloud Platform (GCP), AWS

**Big Data & Analytics:** Databricks, Hadoop, Spark, Hive, Impala

**Programming & Scripting:** Python, SQL, Shell

**Compute :** Kubernetes, Virtual machines

**DevOps :** Terraform, GitHub Actions

**Data Engineering:** ETL pipelines, Data Lakes, Streaming (Kafka, Pub/Sub), Azure Data Factory

**Security & Monitoring:** IAM, Cloud Monitoring, Logging, Networking

## Professional Experience

### Deutsche Börse – Frankfurt, Germany

*Senior Cloud Solutions Architect – Data & Analytics | Jan 2025 – Present*

- **Self-Serve Data Platform on Google Cloud**
  - Designed and deployed a self-serve data platform using a data mesh architecture, enabling decentralized data ownership across 10+ domains.
  - Implemented Databricks Delta Sharing for secure cross-team data exchange, increasing collaboration speed by 30%.
  - Automated resource deployment with Terraform Enterprise and GitHub Actions, reducing manual provisioning time by 90%.
  - Integrated robust data cataloging and metadata management to enhance discoverability and governance.
  - Championed security and compliance by leveraging IAM, VPC-SC & Network Security.

- **Enterprise Data Catalog (Atlan)**

- Integrated Atlan's data catalog to unify metadata management, improving data discovery and lineage tracking across cloud and on-premises systems.
- Automated metadata updates for 1000+ assets, ensuring real-time accuracy and compliance.
- Established role-based access controls, aligning with GDPR and internal security standards.

***Cloud Solutions Architect – Data & Analytics | Jul 2020 – Dec 2024***

- **Big Data & Advanced Analytics Initiatives**

- Migrated a 3-tier application from on-premises to Azure PaaS, improving scalability and reducing infrastructure costs by 25%.
- Developed real-time analytics pipelines integrating Kafka and Azure Databricks, enabling near-instant business insights.
- Led Proof of concepts for deploying Looker with custom extensions and CDC using Kafka Connect, demonstrating significant potential for operational efficiency.
- Streamlined infrastructure management through Terraform, Atlantis, and CI/CD pipelines.

**Tata Consultancy Services – Gurgaon, India**

***Big Data Engineer | Dec 2013 – Jun 2020***

- Managed a Hadoop data lake supporting 1,500+ users, achieving a 20% boost in processing efficiency through performance tuning.
- Designed disaster recovery architecture ensuring 100% system availability.
- Automated repetitive processes, reducing project delivery time by 33%.
- Upgraded Cloudera Data Hub (CDH) clusters, enhancing stability and performance.

## **Certifications**

**Amazon Web Services (AWS):** Solutions Architect Professional | Solutions Architect Associate | Cloud Practitioner | Data & Analytics Specialty

**Microsoft Azure:** Azure Administrator | Azure Fundamentals

**Hashi Corp:** Terraform Associate

**Google Cloud:** Associate Cloud Engineer | Generative AI Leader

**Databricks:** Data Engineer Professional | Data Engineer Associate

**Language:** Telc Certified German Language – B1

## **Education**

Bachelor of Technology (B.Tech) - Electronics & Communication Engineering (ECE)

Madan Mohan Malaviya Engineering College, India – 2013