



Badal Mishra

Senior Technical Lead (Data Engineering)- Application Development

Data Engineer with **9+ years of experience** in designing and managing ETL pipelines, automating cloud infrastructure, and handling large-scale data platforms across **Azure, Databricks, and AWS environments**. Skilled in **Azure Data Factory, PySpark, SQL, ADO, Terraform, and DevOps CI/CD pipelines**. Experienced in leading Agile teams, ensuring data quality, and delivering scalable data solutions for reinsurance and telecom domains. **Certified Azure Data Engineer, Databricks Certified Data Engineer Associate** and Databricks Lakehouse professional, with a focus on process automation and data-driven business outcomes.

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📍 Bengaluru

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WORK EXPERIENCE

Senior Tech Lead (Data Engineering) AON | Domain: Reinsurance

08/2024 - Present

Bengaluru

Achievements/Tasks

- Designed and optimized ETL pipelines using Azure Data Factory, Databricks, and PySpark to build scalable reinsurance data solutions.
- Developed and maintained SQL queries and database architectures to improve data access and efficiency.
- Automated infrastructure provisioning and deployments using Terraform and CI/CD pipelines to streamline operations.
- Implemented data validation frameworks to enhance data quality and ensure compliance with regulatory standards.
- Led daily Agile stand-up calls for global team, facilitating sprint planning, backlog refinement, and driving continuous delivery improvements.

Data Engineer Tata Consultancy Services

03/2021 - 08/2024

Bengaluru

Achievements/Tasks

- Built and optimized ETL pipelines using Azure Data Factory and Databricks for telecom data ingestion into ADLS Gen2 and Blob Storage.
- Managed JIRA Kanban boards to streamline sprint workflows and ensure timely project deliveries.
- Collaborated with cross-functional teams to enhance data quality and develop Power BI dashboards for business reporting.

Engineer Umlaut

08/2016 - 02/2021

Bengaluru

Achievements/Tasks

- Designed and maintained KPI dashboards using Tableau for telecom network performance analysis.
- Performed data integrity checks and optimized M2 network performance through CDR data analysis using HUE and Impala.
- Managed AWS S3 storage for large-scale data ingestion and streamlined data workflows for telecom datasets.

SKILLS

Azure Data Factory

Databricks

SQL

PySpark

Python

Azure Data Lake

Blob Storage

Terraform

Devops(CI/CD)

AWS S3

Microsoft Power BI

Tableau

Agile (Scrum& Kanban)

Git & JIRA

PROJECT'S

SOX Compliance Automation AON

Tasks/Achievements

- Automated monthly SOX compliance reporting across multiple servers using a metadata-driven Azure Data Factory framework.
- Eliminated manual interventions and ensured audit readiness through automated report generation and storage.

Daily Receipt & Disbursement Extract Automation AON

Tasks/Achievements

- Automated extraction of daily transactional data from Azure SQL MI into structured .rpt files with secure delivery to network file shares.
- Integrated validation and monitoring workflows for data integrity and compliance.

Excel Ingestion Pipeline (Blob to SQL) Automation AON

Tasks/Achievements

- Developed an Azure Data Factory pipeline to automate ingestion, validation, and processing of dynamically uploaded Excel files
- Enhanced error handling, notifications, and archival processes for robust data workflow management.

CERTIFICATIONS

Academy Accreditation - Databricks Lakehouse Fundamentals. (12/2023 - 12/2024)

Academy Accreditation - Databricks Generative AI Fundamentals (02/2024 - 02/2026)

Microsoft Certified: Azure Data Fundamentals (08/2024 - Present)

Microsoft Certified: Azure Data Engineer Associate (06/2024 - 06/2025)

Databricks Certified Data Engineer Associate (08/2025 - 08/2026)

Microsoft Certified: Fabric Analytics Engineer Associate (06/2024 - 06/2025)

EDUCATION

B-Tech in Electronics and Communication Engineering

Biju Pattanaik University of Technology

09/2009 - 08/2014

Odisha, 6.45 C.G.P.A

Diploma in Electronics and Communication Engineering

State Council for Technical Education and Vocational Training

09/2005 - 03/2009

Odisha, 6.0 C.G.P.A

HONOR AWARDS

Silver Star Award (Feb 2025) – Aon, for demonstrating leadership values and delivering outstanding results.

Aon

Star of the Month Award (June 2024) – TCS, for exceptional contribution and commitment.

TCS

Appreciation Certificate (Jun 2024) – TCS EST TITANS, for delivering exceptional work aligned with TCS values.

TCS

Service & Commitment Award (Mar 2024) – TCS, for dedication and service excellence.

TCS

Star of the Month Award (Aug 2023) – TCS, recognized for dedication and role-model behavior.

TCS

Star of the Month Award (Dec 2022) – TCS, for outstanding performance.

TCS

Star of the Month Award (Feb 2022) – TCS, for consistent high-quality delivery.

TCS

PROJECT'S

— Databricks Missing Tables Remediation and Reference Data Sync

AON

Tasks/Achievements

- Managed the identification and loading of missing tables from **GlobalStore, DestinyGlobal, GRiDSCore, and GridsSecurity** into Databricks environments (DEV/QC/PROD).
- Built data pipelines to ensure all required tables were available for reporting and analytics in Tableau and core reinsurance systems.
- Automated data tracking and remediation processes in Databricks Lakeflow Connect to maintain data accuracy and consistency.
- Worked with cross-functional teams to validate data and improve overall data quality across multiple business domains.

— Data Migration On-Premises and existing Cloud Data Maintenance Tata Consultancy Services

03/2021 - Present

Bengaluru

Tasks/Achievements

- Managed **JIRA Kanban** (DE3/TED). Built ETL pipelines (**Azure Data Factory, Databricks, Data Lake/Blob**). Optimized processes, scheduled triggers, integrated Power BI for telecom data insights.

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Odia

Native or Bilingual Proficiency

INTERESTS

Cloud Computing

iOT's

Mobile Gadgets