

SHARIAR IMTIAZ

Data & AI Leader | Enterprise Data Strategy | Cloud & Analytics Platforms | Fintech



Personal details

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Key Achievements

Bangladesh Bank MFS license approval

Led data governance and control framework implementation to achieve Bangladesh Bank MFS license approval, passing regulatory audit with zero major observations.

Scalable Data Processing Pipeline for IPDR

Developed a scalable data processing pipeline to process 40 BIL+ (6 TB) records for the IPDR data source and can process 10 TB of dumps.

TD Backup/Recovery, offloading App

Optimizing cost by offloading data from TD into CDP. This system is also used as online archival and older data can be used directly from CDP using HUE over impala.

Bundle Expiry Trigger

Created a successful notification

Profile

Data, AI & Cloud Technology Leader with **13+ years of experience** delivering enterprise-scale data platforms, cloud architectures, analytics ecosystems, and regulatory-grade technology solutions across fintech, telecom, and cloud environments, with cross-market exposure in Bangladesh and the UAE . Currently leading **enterprise data strategy, Business Intelligence, governance, real-time analytics, and audit-compliant data modernization** for a regulated **Mobile Financial Services** organization. Played a key leadership role in supporting **Bangladesh Bank MFS license approval** by building strong **data governance, control frameworks, evidence-ready processes, and compliance-aligned data practices**, contributing to a successful **regulatory audit with no major observations**. Recognized for delivering **high-impact, large-scale outcomes**, including **real-time data pipelines processing 40B+ records per day** and **analytics-led business initiatives contributing significant revenue impact**. Experienced in designing **cloud-native, AI-ready, and intelligent data platforms** using **Oracle Database 23ai, vector search, RAG architectures, enterprise data warehousing, Kafka, Spark, and modern analytics stacks**. Strong exposure to **Generative AI and agentic AI concepts**, including **enterprise AI use cases, AI-assisted analytics, intelligent automation, semantic search, knowledge retrieval, and AI-driven decision support**. Hands-on **multi-cloud expertise across OCI, AWS, and Azure**, with a strong ability to connect **business strategy, technology execution, regulatory compliance, and AI-led innovation** to build **secure, scalable, and future-ready enterprise data ecosystems**.

Employment

General Manager – Data & Business Intelligence

Nov 2025 - Present

Prime Bank Fintech Limited, Dhaka, Bangladesh

- Own and execute enterprise data strategy across digital financial services, aligning analytics, governance, and security with business objectives.
- Lead BI engineering and automation initiatives, delivering **near real-time insights** to support executive decision-making.
- Drive cloud-first data platform modernization, collaborating with product, risk, and compliance teams to enable scalable and secure data solutions.
- Successfully led **database-side audit readiness for Bangladesh Bank MFS licensing**, closing findings and institutionalizing audit-compliant controls.
- Manage **cloud data warehouse infrastructure**, ensuring **high reliability, performance optimization, cost efficiency**, and robust backup/DR and security posture.
- Establish governed data models, metadata management, and lineage frameworks to ensure regulatory compliance and audit readiness across business units.
- Lead cross-functional analytics initiatives covering customer lifecycle, **fraud/anomaly detection**, and **revenue optimization**, delivering actionable, executive-level BI insights.

Senior Technology Solution & Cloud Architect

Apr 2025 - Sep 2025

Oracle Corporation, Dhaka, Bangladesh

- **Architected secure, cost-optimized data platforms** aligning with **PCI DSS & ISO standards** while reducing TCO.
- **Delivered high-availability Oracle Database architectures** (Exadata, RAC, GoldenGate, Active Data Guard), achieving **99.99% uptime** with built-in

system for customers to receive alerts upon bundle expiration, resulting in a revenue increase of 9 million within just one week, through the utilization of our trigger framework and advanced CRM technologies.

Certificates

OCI 2025 AI Foundations OCA
Jun 2025

OCI 2025 Foundations OCA
Apr 2025

Azure Data Engineer Associate
Feb 2024

Skills

- Data Engineering: Spark (PySpark), NiFi, Airflow, Databricks, Sqoop, EMR, Informatica, Data Factory
- Streaming & Messaging: Kafka, RabbitMQ
- Databases: Oracle, MySQL, Cassandra, Ignite, MongoDB, Redshift, Teradata, PostgreSQL
- Cloud Platforms: AWS, Azure, Oracle Cloud Infrastructure (OCI)
- Scripting & Languages: Python, Java, Shell
- DevOps: Git, Bitbucket, Docker, Kubernetes, Helm
- ML/AI: Oracle Autonomous Database + MySQL Heatwave + In-DB ML, SelectAI, Conversational AI, Gen Ai and Agentic AI
- Monitoring & Visualization: Prometheus, Grafana, Metabase
- Competencies: Data Modeling, Real-Time Processing, ETL, Migration, Performance Tuning, Leadership

disaster recovery and failover.

- **Developed AI-centric data solutions** by integrating **Oracle Database 23ai Select AI, Vector Search, and OpenAI/GenAI connectors**, enabling **RAG-ready enterprise platforms, semantic search, and intelligent analytics**.
- **Designed data architectures for maximum security & governance**, leveraging **TDE, Database Vault, Key Vault, and Audit Vault** to ensure compliance and data protection.

VMAX Engineer

Jan 2025 - Apr 2025

ZTE Bangladesh, Dhaka, Bangladesh

- Monitored VMAX Big Data Platform, conducted routine inspections, and managed hardware/software changes.
- Identified root causes of platform incidents, collaborated with system engineers, and analyzed service degradation issues.
- Provided troubleshooting support, delivered analysis reports for customer complaints, and reviewed KQI and QoE metrics.

Senior Data Engineer

May 2022 - Oct 2024

Raena (Alpha Wave), Abu Dhabi, UAE

- Increased data processing speed **by 80%** by integrating Kafka into the inventory management system.
- Implemented **Airflow DAG dependencies** for end-to-end ETL orchestration, improving team performance by 50%.
- Migrated **Postgres analytics DB to Redshift**, reducing costs & improving performance by 30%.
- Built 20+ **real-time BI dashboards** for multi-department use, cutting reporting time by 60%.
- Collaborated with Data Scientists to develop **product recommendation & churn analysis models**.

BIG Data Platform & CVM Services Lead Engineer

Aug 2018 - Apr 2022

Banglalink Digital Communications Ltd., Dhaka, Bangladesh

- Engineered **100TB/day big data platform** with NiFi, Airflow, Kafka, Ignite & Cassandra.
- Developed **Java Springboot trigger framework** handling **400B+ events daily**, generating \$9M in additional revenue in one week.
- Designed Teradata **offloading solution** to CDP, reducing storage costs by 40% & boosting query speed by 25%.
- Built **Grafana-Prometheus dashboards** for 24x7 monitoring, achieving **99% uptime**.

BSS Database Senior Administrator

May 2013 - Jul 2018

Banglalink Digital Communications Ltd., Dhaka, Bangladesh

- Managed **Oracle RAC/ASM databases**, capacity planning, and disaster recovery strategies.
- Improved performance through proactive monitoring & tuning.

Projects

Clevertap Data Processing

Raena (Alpha Wave)

Built PySpark + EMR pipeline on S3 data lake to process semi-structured user journey data, automated with Airflow for real-time business insights.

IPDR Data Pipeline

Banglalink

References

Mohammad Sanaul Karim

[Oracle](#)

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Sohael Reza

[ADN DigiNet Ltd.](#)

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Designed Spark-based framework processing 6TB+ daily (40B+ records) with Airflow scheduling, real-time alerts, and backlog recovery.

DMP Triggers Framework

[Banglalink](#)

Developed Java Springboot system handling 400B+ daily events across 31 Kafka/Ignite triggers, improving automation, reporting, and scalability.

Teradata Backup & Offloading

[Banglalink](#)

Created Python + Airflow solution for full/incremental backups, reducing Teradata storage by 40% and enabling low-cost archival in CDP.

Oracle DB Consolidation

[Banglalink](#)

Migrated 12 databases to optimized physical infrastructure, reducing licensing costs and improving performance with minimal downtime.

Education

Masters, Information Technology **2015 - 2016**

[Jahangirnagar University, Dhaka, Bangladesh](#)

Bachelors, Computer Science and **2009 - 2013**

Engineering

[Ahsanullah University of Science and Technology, Dhaka, Bangladesh](#)