

SHARIAR IMTIAZ

Data Engineer | Data Architect |
Big Data Specialist | AI centric
Data Platform Specialist



Personal details



SHARIAR IMTIAZ



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Key Achievements

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 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.

Profile

Data Engineer & Data Architect with **11+ years' experience** building **big data platforms, cloud solutions, and AI-ready infrastructures** across telecom, e-commerce, and cloud providers. In the **UAE with Alpha Wave (Abu Dhabi)**, delivered **cost-optimized BI and cloud migrations**; at **Banglalink**, engineered **real-time pipelines processing 40B+ records/day** and **optimized ETL**, driving a **\$9M revenue uplift**. Skilled in **Oracle Database 23ai** with **vector search, GenAI, and OpenAI integration** for **RAG and natural language insights**, alongside expertise in **OCI, AWS, Azure, Kafka, and Spark** to deliver **scalable, intelligent data platforms**.

Employment

Senior Technology Solution & Cloud Architect

Apr 2025 - Present

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 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

Apr 2020 - Apr 2022

Banglalink Digital Communications Ltd., Dhaka, BD

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
- Monitoring & Visualization: Prometheus, Grafana, Metabase
- Competencies: Data Modeling, Real-Time Processing, ETL, Migration, Performance Tuning, Leadership

- 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 Jul 2015 - Jul 2018
[Banglalink Digital Communications Ltd., Dhaka, BD](#)

- 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](#)
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 Engineering** 2009 - 2013
[Ahsanullah University of Science and Technology, Dhaka, Bangladesh](#)