Murtaza Kanchwala
Resident Solutions Architect – Data/AI

Objective:

A proven leader in the information-technology & digital industries, tech-savvy, and goal oriented, I am seeking a challenging opportunity to manage and design mid-to-large projects where my advanced skills, qualifications, extensive training, and many years of experience in data engineering & analytics can be fully utilized.

Summary of Qualifications:

- Collaborates with the Product Management, Business leaders and others to define a strategic roadmap for their Digital journey.
- Expert at designing & building big data architecture, data lifecycle, pipelines, and data architectures.
- Provides technical expertise in the areas of architecture, design, testing, and implementation of mid-large scale data analytics platforms.
- Generalist with manipulating, processing, and extracting value from large, disconnected datasets and streaming datasets.
- Extensive experience in supervised learning and well-versed with Deep learning & AI tools & frameworks.
- Excellent understanding of data strategy practices like data quality, governance, and security.
- Increased the overall productivity and cut unnecessary costs by increasing the efficiency of the processes via Digital transformation.
- Experience supporting and working with cross-functional teams in a dynamic environment.

Skills:

- Apache Spark
- Python
- Microsoft Azure
- Amazon Web Services
- Google Cloud Platform
- Cloudera
- Apache Hadoop

- Databricks
- Agile
- Solution Architecture
- Data Architecture
- AI on Cloud
- DataOps
- FinOps / Terraform
- MLOps

- Data Strategy & Governance
- Machine Learning
- NoSQL Databases
- REST API services
- SQL Databases
- Scala
- Java
- Scrum / SAF

Licenses and Certifications:

- Databricks Certified: Associate Developer for Apache Spark 3.0 (31274905) valid till Apr 2025
- Databricks Certified: Data Engineer Associate (53642817) valid till Jun 2024
- Databricks Certified: Data Analyst Associate valid till Feb 2025
- Databricks Certified: Azure Platform Architect valid till May 2026
- Microsoft Certified: Azure IoT Developer Specialty (H497-8431) valid till Aug 2024
- Microsoft Certified: Azure AI Engineer Associate (H480-0240) valid till Jul 2024
- Microsoft Certified: Azure Data Scientist Associate (H472-8927) valid till Jul 2025
- Microsoft Certified: Azure Data Engineer Associate (H455-5786) valid till Jul 2025
- AWS Certified: Solutions Architect Associate (Z26K0CDKQBVQ1GS4) valid till Sep 2025
- AWS Certified: Data Analytics Specialty (0C56JN1271V11OGP) valid till Apr 2026

Murtaza Kanchwala
Resident Solutions Architect – Data/AI

Work Experience:

Databricks UK Plc..   From May 2022 to Present

I am part of the Field Engineering's Professional Services Team (RSA) business group focused on new Databricks Products and SME practices that work closer with the clients or customers requiring the talent & support in their Data/AI journey with Databricks. My responsibilities towards the Professional Services are as below and currently I hold the designation as "Resident Solutions Architect" in Databricks Inc.

- Guiding strategic, enterprise & commercial customers in EMEA region as they implement transformational data & AI projects, 3rd party migrations, including end-to-end design, build and deployment of industry-leading big data and AI applications
- Consulting on architecture and design; bootstrap or implement strategic customer projects which leads to a customers' successful understanding, evaluation and adoption of Databricks platform.
- Helping new customers doing Jumpstarts & Large Scale-migrations on their Cloud Adoption Journey with Databricks Platform from Azure Synapse, Dataiku and more..
- Providing Assessments & Reviews on their Existing Cloud Strategy & helping them out with other integrations on Cloud like AWS, Azure & Google Cloud.
- Expert Data Modelling skills & helping customers to achieve a full blown data architecture like Data Meshes or Data Vaults.
- Conducting workshops, office hours and a lot of other sessions for customers to help them out in their digital journey and understanding Databricks as a product.
- Participating in SME groups to build new capabilities in the Databricks Field Engineering and also increasing the visibility of Databricks as an organization.
- Collaborating with Databricks Product Team to help them out in filling the Product gaps by preparing the Product Requirements, Solution for the Product and Customer buy-ins for the implementation and completing the cycle of a valued product for customers.
- Helped in co-writing two certifications within Databricks for SQL Analyst and Apache Spark Developer examinations.

YASH Technologies Europe Pvt. Ltd.   From May 2017 to May 2022

Platform & Technology Group (PTG) is a centre of excellence (CoE) business group focused on new emerging technologies and practices that works closer with the clients or customers requiring the latest trending technological capabilities to regulate their IT business ahead of time. My responsibilities towards the business group were as below and last I hold the designation as "Technical Architect" in YASH Europe Inc.

- Lead, provide and identify (technical) capabilities to unlock the value of data through technical thought leadership in Data Analytics Platform and its application with various Clients like Anglo American plc., John Deere Inc., Caterpillar Inc. Right Mechanics Inc. etc.
- Create the strategic vision on data engineering & analytics chapter as part of the wider organization pathway for the client, as well as deriving the strategy and roadmap from it in close co-operation with the Analytics & Engineering team and other in-house clients or stakeholders.
- Create optimal systems and architectures to consolidate data into a unified platform and landscape, i.e., a centralized Data Lake or Platform.
- Designed and developed the technical data pipelines and machine learning workloads via Apache Spark and supporting Cloud platforms like AWS, Azure and Google Cloud.

- Account the full information life cycle from data acquisition (from internal and external sources), through cleanse, transform, classify and storage to analytics, application of AI and ML techniques, presentation, distribution, security, privacy, and archiving.
- Monitor the performance of the entire data ecosystem and adjust architecture whenever/wherever necessary.
- Set up and lead the Data Governance Board across the wider company as well as introduce proper governance models, standards and interfaces for data inflow, data management, data quality, data security, data processing including analytics and ML techniques, data innovation and metadata (repositories).
- Write and produce technical documentation, knowledgebase articles via Confluence, Azure DevOps wiki etc.
- Keep up with the latest and greatest innovation in the arena of data capability suppliers.

ClearTrail Technologies Pvt. Ltd.   From Apr 2016 to May 2017

Clear-Trail Technologies is a sister company of Impetus Inc. focused on providing solutions to LI (Lawful Interception) investments made by the world government. They have a wide variety of products specialized in investigation and defense of data security and monitoring. Their aim is to prevent the cyber-terrorism, providing freedom to digital users of a nation and maintaining awareness of it. My responsibilities were to develop the backed curation services on various LI algorithms (see below) and here I held the designation as a "Senior Software Engineer – Big Data".

- Work closely with LI Government teams (UAE & KSA), LEAs and cross-functional technical resources to devise and recommend solutions based on the understood requirements.
- Work closely with the Platform Engineering team to analyse complex distributed production deployments and make recommendations to optimize performance.
- Designed and developed the technical data pipelines via Apache Spark and supporting on-premises vendors like Cloudera or Hortonworks.
- Have done disaster recovery on complex defense algorithms for cyber-espionage applications to retrieve the data out of NoSQL system (HBase) and re-build self-service search engine (Solr).
- Design and develop scalable and reliable real-time stream processing solutions using Hortonworks Data Flow HDF product suite (Nifi/Kafka/Spark) and Cloudera CDH.
- Work with Production Support to assist with troubleshooting service stability, message topic or delivery issues, perform data related benchmarking, performance analysis and tuning.
- Experience with migrating workloads between data centres or from on-prem to cloud for sandbox or trial runs for customers.

YASH Technologies Pvt. Ltd.   From Jan 2015 to Apr 2016

Innovation Group (now known as PTG) is a centre of excellence (CoE) business group focused on new emerging technologies and practices that works closer with the clients or customers requiring the latest trending technological capabilities to regulate their IT business ahead of time. I was part of the Core Team and a founding member of the business unit. And my responsibilities towards the business group was as below and here I held the designation as "Software Engineer" or Data Engineer.

- Worked in various data engineering teams of Clients like John Deere Inc., Caterpillar Inc. etc.
- Create optimal systems and architectures to consolidate data into a unified platform and landscape, i.e., a centralized Data Lake or Platform.

Murtaza Kanchwala
Resident Solutions Architect – Data/AI

- Designed and developed the technical data pipelines and machine learning workloads via Apache Spark and supporting Cloud platforms like AWS, Azure and Google Cloud.
- Built processes supporting data transformation, data structures, metadata, dependency, and workload management.
- Created message queuing, stream processing, and highly scalable 'streaming' stores.
- Experience with migrating workloads between data centres or from on-prem to cloud for sandbox or trial runs for customers.

Sofmen Technologies Pvt. Ltd.   From Dec 2012 to Jan 2015

Sofmen is a client services and consulting company providing services in IT backend and mobile development. It is focused on small – mid-large customers and has a wide variety of domain & consulting experience. I started my career with this company and my responsibilities towards the business was as below and here I held the designation as "Trainee Software Engineer" to "Software Engineer".

- Worked for various in-house products and clients like DataCastle RED, Menu Chimp, Digarati and CivitasLearning (University of Texas) for backend applications and proof-of-concepts around the NoSQL databases.
- Designing and developing high-volume, low-latency applications for mission-critical systems and delivering high-availability and performance.
- Written up clean, test-driven, well patterned Java code for backend application.
- Identify bottlenecks and bugs, and devise solutions to these problems
- Help maintain code quality, organization, and automatization
- Deployment and distribution of applications via CI/CD processes.
- Server & Cluster management & monitoring via Linux Bash scripts and simple automations.
- Performed proof-of-concepts in Ingestion of heavy datasets (giga-bytes) into NoSQL databases like HBase, Cassandra via Apache Hadoop.

Awards & Accomplishments:

- Arctic Code Vault Contributor (GitHub)
- Star Team – Data Product Avengers – Anglo American (YASH Technologies Pvt. Ltd.)
- Star Team – Data Team - Platform Technology Group (YASH Technologies Pvt. Ltd.)
- The Gladiator – Anglo American (YASH Technologies Pvt. Ltd.)

Education:

Have been honoured with **Bachelor of Computer Applications (B.C.A)** by prestigious **"Devi Ahilya Bai Vishwavidyalaya University" in** year 2012