

Mohammed Ali Syed

Data Solution Architect



Nottingham



[Bold Profile](#)



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Accomplished Data Solution Architect and Strategic Technical Lead with a proven track record with a proven track record in designing enterprise-wide data strategies, implementing governance frameworks, and leading complex digital transformation initiatives. Known for building and executing data modernization roadmaps while effectively managing senior stakeholders and driving organizational change. Expert in cloud computing, specifically AWS, and adept at leading teams through complex migrations. Demonstrates exceptional problem-solving and software development lifecycle management, ensuring scalable, secure solutions.



Skills

- **Strategic Planning:** Data strategy development, Project governance, Operating model design
- **Stakeholder Management:** C-level presentations, Cross-functional leadership, Client engagement
- **Cloud Platforms:** AWS (EMR, S3, Glue, Lambda, Batch).
- **Big Data Technologies:** Spark, Hadoop, Cloudera.
- **Data Engineering:** ETL/ELT design, Parquet, Hudi data lake.
- **Programming:** Python, Scala, Spark.
- **DevOps:** Jenkins, Git, Terraform, CI/CD pipelines.
- **Data Modeling:** Dimensional modeling, star schema design.
- **Documentation:** Creating architectural documents



Key Highlights

- Developed and executed comprehensive data strategies, including successful cloud platform selection and implementation of enterprise-wide data lakes.
- Established effective project governance frameworks and operating models, resulting in improved delivery metrics and team performance.
- Led strategic stakeholder engagement, including C-level presentations and proposal development for major initiatives.
- Designed and implemented transformation projects as a Data Solution Architect, balancing technical excellence with business objectives.
- Created and presented RFP responses and technical proposals for enterprise-scale projects.
- Led the migration of legacy mainframe data pipelines to AWS, developing and executing comprehensive migration strategies.

- Proven expertise in delivering modern cloud-based data processing and transformation platforms, specializing in ETL and ELT solutions on AWS.
- Proficient in mentoring and developing team members, fostering their personal and technical growth, and enhancing engineering and agile delivery processes.
- Innovated and empowered data customers to self-serve their data needs, leveraging cloud-based data platforms.
- Strong understanding of software architecture, data engineering, and software development best practices, balancing short-term team needs with long-term business goals.
- Subject matter expert providing strategic guidance on design reviews within Experian UK
- Extensive experience working with clients, delivering tailored solutions that meet stringent regulatory and compliance requirements.



Work History

2018-12 - Current

● Data Solution Architect/Technical Lead

Experian, Nottingham

- Established and implemented new project governance frameworks and agile delivery metrics, significantly improving team performance and delivery timelines.
- Led cloud strategy evaluation and selection process through comprehensive POCs, directing the migration path for critical UK & Ireland data pipelines.
- Presented strategic proposals and architectural recommendations to C-level stakeholders, securing buy-in for major transformation initiatives.
- Architected and led migration of core business applications to AWS, scaling processing capacity from 1 million to 170 million records monthly, driving £1.3 million annual revenue growth
- Designed and implemented modern cloud-based data processing platforms, focusing on ETL/ELT solutions
- Created serverless solutions using AWS Lambda
- Enforced security best practices, reducing potential vulnerabilities by 50% through automated checks using tools such as Veracode, Wiz and sonarqube
- Achieved 60% reduction in data processing time through optimized ETL processes with AWS Glue.
- Proficient in Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins and Git, facilitating rapid and efficient solution delivery
- Conceptualized and executed Proof of Concept (POC) for Cloudera to AWS EMR migration, securing stakeholder buy-in and leading successful implementation
- Collaborated with clients to design and implement secure, compliant, and scalable cloud solutions, ensuring adherence to regulations and standards

2010-01 - 2018-11

● Lead Developer

NTT DATA Services, Nottingham, United Kingdom

2007-12 - 2010-01

- Implemented web service solutions on mainframe, eliminating the need for middleware, improving performance, and reducing costs
- Delivered scalable solutions by migrating applications from legacy M204 databases to DB2
- Led a team of software engineers to deliver client projects
- Created low-level technical design documents based on client requirements, and conducted code reviews and implementation planning
- Supported the team in creating RFPs and high-level designs for project bids
- Automated manual test data generation processes, saving approximately 250 man-days annually
- Engaged with public sector clients to develop and deliver customized solutions, enhancing compliance with industry standards

Software Engineer

Keane

- Developed SQL scripts to generate ad-hoc reports based on business requirements
- Provided technical support for client applications, resolving issues 20% faster through improved diagnostic processes
- Optimized daily batch jobs by implementing stored procedures



Education

2007-06

Bachelor of Engineering: Electrical, Electronics And Communications Engineering

Dayananda Sagar College of Engineering (VTU) - Bangalore



Accomplishments

- Experian Credit Excellence award for performance tuning the batch suite, saving costs and execution time.
- Experian Credit Excellence award for automating test data report creation using JMeter.
- Experian Credit Excellence award for successfully implementing web services for the first time at Experian.
- Dell Silver award for delivering a critical project as a technical lead with zero defects.
- Multiple Experian spot awards for assisting various teams.



Certifications

- Hadoop Big Data developer certification
- Scrum Master certification
- AWS Solutions Architect Training Certification