Mukesh Kumar Khatri

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Data Integration and Analytics Leader

SUMMARY

Transformational Technology Executive & Enterprise Architect with 30+ years of proven success leading enterprise-scale modernization, architecture governance, and digital transformation initiatives in highly regulated industries. Expert at aligning technology strategy with business objectives, delivering scalable, compliant, and high-performance architectures that drive growth, reduce costs, and enable strategic decision-making.

Recognized for bridging the gap between C-suite vision and technology execution, leading global cross-functional teams, and driving modernization of legacy platforms to cloud-native, API-first, and data-driven architectures. Skilled in regulatory compliance, risk management, and operational resilience for mission-critical financial systems.

Core Expertise

Enterprise Architecture Strategy • TOGAF / Architecture Governance • Cloud Transformation (AWS, Azure, Snowflake) • Core Banking & Financial Systems • API-First & Microservices • Data Architecture & Governance • Modernization & Migration • Stakeholder & C-Suite Engagement • Regulatory Compliance (SOX, PCI DSS, Basel III, CCAR) • Vendor & Budget Management • Performance Optimization • M&A Technology Integration

PROFESSIONAL EXPERIENCE

Bank of America – Charlotte, NC
Cloud Data & Architecture Consultant – Risk & Finance (Contract) | Apr 2025 – Present

- Modernizing risk & finance data infrastructure as part of critical enterprise platform transformation.
- Redesigned Financial Crime Data Warehouse using Snowflake, Teradata Vantage, Hadoop, Hive, PySpark to meet evolving compliance and regulatory needs.
- Applied advanced cloud & data skills (Azure Synapse, AWS Glue, DataBricks, Python, Power BI) to optimize analytics, reporting, and data flow performance.
- Led architecture performance tuning, reducing latency in mission-critical reporting for regulatory submissions.
- Developed frameworks for Teradata ↔ Hadoop migration, accelerating delivery timelines by 40%.
- Partnered with leadership to define data architecture strategy, ensuring alignment with

enterprise standards and security mandates.

Charter Communications Inc. – Charlotte, NC
Lead Enterprise Solution Architect / Director, Data Integration | Feb 2010 – Feb 2025

- Directed enterprise BI, integration, and architecture strategy for a Fortune 100 organization, leading 25+ architects and engineers across global teams.
- Established enterprise architecture governance frameworks, review boards, and technology standards, improving delivery quality and reducing rework.
- Orchestrated multi-platform modernization programs, including Teradata → AWS Redshift, Hadoop → Azure Delta Lake, and Salesforce → Redshift migrations, achieving tens of millions in cost savings.
- Consolidated post-merger data architectures into a unified next-generation EDW, improving SLA compliance by 40% and enhancing operational resilience.
- Introduced API-first integration and microservices architecture to enable scalability, faster delivery, and cross-platform interoperability.
- Led vendor evaluations (Teradata vs. Netezza, big data stack assessments) ensuring optimal technology selection and cost efficiency.
- Proven ability to modernize **legacy, on-premises critical applications** through innovative architecture and technology upgrades.
- Partnered with C-suite executives, Marketing, IT, Billing, and Customer Service to translate business strategy into technology roadmaps.
- Designed and implemented **Generative AI–powered data engineering and automation solutions**, reducing manual processing time and enabling faster insights
- Managed architecture budget, vendor contracts, and platform licensing, ensuring maximum ROI.

Limited Inc. – Columbus, OH
Senior Manager – BI / Technical Consultant | May 2001 – Feb 2010

- Managed enterprise BI delivery for 200+ business users from a 70+ TB multi-brand data warehouse.
- Designed reusable UNIX-based integration frameworks, reducing delivery timelines by 30% and cutting costs by millions.
- Built enterprise SAP→Teradata integration architecture supporting multiple brands, enabling scalable growth and operational efficiency.
- Served as escalation point for architecture performance issues, ensuring SLA recovery for mission-critical reporting.

Earlier Roles
Senior Data Warehouse Architect – Lucent Technologies
Sr. Software Developer – DSQ Software | Honda Power Products | Super Seals India | National

Institute of Advertising

EDUCATION & CERTIFICATIONS

B.Tech – Computer Technology – Priyadarshini College of Engineering, Nagpur, India | College Topper; University Rank Holder (2nd & 3rd year)

Certifications:

TOGAF (Enterprise Architecture Framework) | AWS Certified Solutions Architect – Associate | Microsoft Certified Azure Solutions Architect Expert | Azure Administrator Associate | Teradata Certified Professional | Agile Scrum Master | Agile Product Owner

TECHNICAL PROFICIENCIES

Cloud & Platforms: AWS (Redshift, Glue, Athena, EMR, SageMaker), Azure (ADF, Synapse, Fabric, Cosmos DB), Snowflake, Teradata, Hadoop (Hive, Spark, Iceberg)
Architecture & Integration: TOGAF, API-First Design, Microservices, Python, PySpark, Kafka, Salesforce API, REST API, SQL/T-SQL, PL/SQL
Governance & Tools: ERWIN, Alation, Data Governance Frameworks, Architecture Review Boards
BI & Analytics: Power BI, Tableau, MicroStrategy, Cognos
DevOps & Automation: CI/CD, Apache Airflow, Git, Jenkins