

# Yamini Singh

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## SUMMARY

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A Cloud Solution Architect with over a decade of software engineering and leadership experience. I am specialized in designing and delivering solutions using Azure Cloud, Databricks, Data & AI DevOps, ESG Sustainability development. I am is passionate about leveraging technology to drive innovation and streamline business processes. I am Microsoft certified Cloud Solution Architect expert, Azure Administrator Associate, Data Bricks certified Data Engineer Associate.

## TECHNOLOGY AND SKILLS

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Enterprise Application Architecture, Cloud / Digital Transformation, Data Transformation and Migration, Project Management, Solution Design, Agile / Scrum, Microsoft Azure Cloud Sustainability, Azure Web / Compute, Azure SQL, Cosmos DB, Azure Storage, Azure Data Factory, Azure Synapse, Azure Databricks, Data Warehouse, Eventing and Messaging, Application Monitoring, Azure Automation, Azure DevOps, Power Platform, Power BI / Power Apps

Data-driven business transformation, Modernization & Migration, Data-driven strategy, Innovative cloud solutions, Project Management, Agile development, Microsoft Azure cloud, Data and Analytics, Sustainability ESG Monitoring and reporting

## WORK EXPERIENCE

People's Partnership, London UK

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### **Cloud Solution Architect/ Manager**

May 2023-Dec 2023

- Established expertise as a Big Data Analytics and AI/ML expert, sharing knowledge on architecture and design best practices with the partner network, enhancing their technical proficiency.
- Led the design of a multi cloud solution using Azure as the primary cloud for an insurance client, enabling secure data storage, processing, and access across multiple data products. Spearheaded the setup and configuration of ESG strategy using Microsoft Cloud for Sustainability. Worked with Microsoft product team in designing accelerators for Microsoft Product.
- Collaborated with leadership to define and implement a comprehensive set of product adoption KPIs, enabling data-driven decision-making and aligning the organization's efforts toward driving adoption.
- Provided technical guidance and mentoring to client delivery teams on best practices and standards for Azure solutions.

HSBC London, UK

### **Solution Architect Data and DevOps**

Mar 2022-Dec 2022

- Designed and implemented scalable big data architectures on Azure using Databricks, enabling efficient processing and analysis of massive volumes of financial data.
- Led the development of real-time data ingestion pipelines using Apache Kafka and Azure Event Hubs, ensuring timely availability of data for analysis and decision-making.
- Architected and deployed machine learning models using Databricks MLflow and Azure Machine Learning, enabling predictive analytics and personalized customer experiences.
- Collaborated with cross-functional teams to establish data governance frameworks and security measures, ensuring compliance with banking regulations and data privacy standards.

## Accenture London, UK

### Technical Lead

Oct 2021- Jan 2022

- Spearheaded the migration of legacy big data workloads to Azure Databricks, optimizing performance and reducing infrastructure costs by 30%.
- Designed and implemented CI/CD pipelines for Databricks notebooks and jobs using Azure DevOps, streamlining the deployment process and enabling faster iteration.
- Provided technical leadership and mentorship to a team of data engineers, fostering a culture of innovation and continuous improvement.
- Conducted POC and performance optimization initiatives, identifying opportunities to enhance the efficiency and scalability of big data solutions.

## Big Data Marketers, India

### Senior Big Data Lead

Mar-2020-Aug 2021

- Developed and maintained complex data ingestion and transformation pipelines using Azure Data Factory and Databricks, ensuring data quality and reliability.
- Implemented data lake solutions using Azure Data Lake Storage (ADLS) and Databricks Delta Lake, enabling efficient storage and management of structured and unstructured data.
- Designed and developed real-time data processing and analytics solutions using Azure Stream Analytics and Databricks Structured Streaming.
- Collaborated with data scientists to operationalize machine learning models using Databricks MLflow and Azure Kubernetes Service (AKS).

## Teleperformance, India

### Data and Azure Consultant

Dec 2017-Feb 2020

- Implemented big data solutions using Azure HDInsight and Spark, enabling large-scale data processing and analysis for customer analytics projects.
- Developed data ingestion and ETL processes using Azure Data Factory and Databricks, ensuring seamless data integration from various sources.
- Collaborated with business stakeholders to understand requirements and deliver data-driven insights using Azure Databricks and Power BI. Participated in the development of data governance policies and best practices, promoting data quality and security across the organization.

## Big Data Marketers, India

### Data Engineer

Aug 2014 – Nov 2017

- Designed and implemented data warehousing solutions using Azure Synapse Analytics and Databricks, enabling efficient storage and querying of structured data.
- Developed and maintained ETL processes using Azure Data Factory and SQL Server Integration Services (SSIS), ensuring timely and accurate data loading.
- Collaborated with cross-functional teams to gather requirements, design data models, and deliver business intelligence solutions using Azure Analysis Services and Power BI.
- Assisted in the development of data quality frameworks and data profiling processes, ensuring the accuracy and consistency of data assets.

## PROJECTS SUMMARY

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- Successfully designed and implemented scalable and high-performance big data architectures using Databricks Lakehouse Platform on Azure, enabling efficient processing and analysis of petabytes of data across retail, financial, and supply chain domains, resulting in significant improvements in data processing times, operational efficiency, and cost savings.

- Worked closely with an airport client to optimize the performance of their airline baggage tracking system. Successfully streamlined baggage tracking processes, resulting in reduced instances of leftover baggage at airports and enhanced efficiency in delivering baggage to destinations.
- Collaborated with a government health organization during the COVID-19 pandemic to enhance emergency response capabilities. Developed and delivered a Power Platform application to efficiently monitor and manage COVID patient count and hospital bed availability. Facilitated real-time decision making, enabling the organization to effectively respond to the crisis and optimize resource allocation. • Collaborated closely with cross-functional teams, including business stakeholders, domain experts, and technical teams, to align big data solutions with business objectives, provide technical guidance, and foster a culture of data-driven decision-making and continuous improvement.
- Demonstrated strong leadership and mentorship skills by leading project teams, providing guidance on best practices, conducting training sessions, and fostering knowledge sharing, enabling successful project delivery, upskilling of team members, and long-term maintainability of implemented solutions.

## CERTIFICATIONS

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Microsoft Certified Azure Solution Architect Expert (AZ-305)	Databricks Certified Data Engineer Associate
Microsoft Certified Azure Administrator Associate (AZ-104)	Databricks Lakehouse Fundamentals
Microsoft Certified Azure Fundamentals (AZ-900)	Databricks Certified Generative AI
Microsoft Certified Data Fundamentals (DP-900)	Data Engineering Fundamentals with Databricks
Microsoft Certified Security and Identity Fundamentals (SC-900)	
Microsoft Certified Dynamics 365 Fundamentals (MB-910)	
Microsoft AI Skill Challenge 2024	