Ashwani Kumar Tiwari

Senior Software Engineer, Infosys

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Summary: Experienced Data Engineering and Cloud Specialist with a strong background in designing scalable data solutions, automating workflows with Azure DevOps, and managing secure cloud infrastructure on Microsoft Azure. Adept at optimizing performance, streamlining deployments, and supporting business transformation through advanced data and cloud technologies.

AREAS OF EXPERTISE

- Python
- Azure Data factory
- Azure Cloud

- Databricks
- Snowflake
- Azure DevOps

- SQL
- PySpark
- Core Java

PROFESSIONAL EXPERIENCE

Infosys   Noida, India

Project- Athena   October 2024–Current

- End-to-End solution migration from on-premises SQL Server databases to Snowflake Cloud.
- Rebuilt ETL processes in ADF & Fivetran, ensuring data quality & performance.
- Tuned Snowflake queries & stored procedure to optimize ADF pipeline efficiency & cost.
- Implemented robust security measures & ensure compliance with data governance standards during migrations.
- Developed comprehensive monitoring and alerting solutions using Azure Monitor and Snowflake's native tools to ensure seamless data pipeline operations and rapid issue resolution during and after migration.

Project- Lapro   April 2022–Sep 2024

- Designed and implemented scalable ETL pipelines using Azure Data Factory and Databricks, processing data daily to support business analytics.
- Automated infrastructure provisioning and configuration management with Azure DevOps, reducing deployment times by 40% and improving system reliability.
- Developed CI/CD pipelines for microservices using Azure Pipelines and Docker, enabling rapid and consistent application releases.
- Optimized data storage and retrieval by architecting solutions with Azure Data Lake, Blob Storage, and SQL Database, resulting in a 30% reduction in query latency.
- Monitored and maintained cloud resources using Azure Monitor and Log Analytics, proactively identifying and resolving performance bottlenecks.
- Implemented robust security and compliance controls across cloud environments, leveraging Azure Active Directory and role-based access control (RBAC).

Xorlabs   Greater Noida, India

Software Developer   Jan 2020–Sep 2021

- Develop and handled every month NPI updates of all eleven models for Avaya in CML.
- Optimized code effectiveness by creating global terms and connect all models with the help of footprints.
- Conducted comprehensive testing and resolved application lifecycle management (ALM) issues.
- Ensured on-time development, testing and deployment in each scrum cycle, contributing to seamless project delivery.

EDUCATION

ITS Engineering College   Aug 2016–July, 2020

B. Tech in Computer Science Engineering (I-DIV HONS)

Certification and Achievements

- AZ 900: Microsoft Certified: Azure Fundamentals
- AZ 204: Microsoft Certified: Azure Developer Associate
- AZ 400: Microsoft Certified: DevOps Engineer Expert
- DP 203: Microsoft Certified Azure Data Engineer Associate