

Sneha Voonna

Data Engineer | BI Developer

Mobile: +44 7796552742 | Email: snehavoonna1527@gmail.com | linkedin: linkedin.com/in/snehavoonna

PROFESSIONAL SUMMARY

Experienced Azure Data Engineer with 4 years of expertise in delivering end-to-end enterprise data solutions across cloud platforms. Skilled in stakeholder management, requirements gathering, and project execution for large-scale data platforms. Strong experience in **Data Engineering, ETL/ELT pipelines, and cloud architecture design**. Proficient in **Python, PySpark, SQL, and performance optimization** techniques for scalable data processing. Experienced in designing **OLTP, OLAP, DWH, Data Lakes, and Delta Lake architectures**. Strong exposure to **data analytics, reporting** solutions, and **enterprise data governance** frameworks ensuring secure and compliant data ecosystems.

EXPERIENCE SUMMARY

- Proven expertise in managing **users, stakeholders, and project requirements**, ensuring seamless communication, timely delivery, and alignment of technical solutions with business goals.
- Strong **Data Engineering** skills, including building scalable **ETL pipelines, data integration frameworks**, and advanced **data transformations** using modern cloud technologies for enterprise-wide analytics initiatives.
- Hands-on experience with programming languages like **Python, SQL, PySpark, Spark SQL**, and performance optimization techniques for processing large datasets efficiently across multiple environments.
- Skilled in designing **OLTP, OLAP, Data Warehouses, Data Lakes, and Delta Lake** implementations to support complex analytics, reporting, and operational use cases for business decision-making.
- Extensive experience in **data analytics**, creating interactive **reports, dashboards, KPIs**, and actionable insights using **Power BI, Tableau, Excel**, and other modern **BI tools** for business stakeholders effectively.
- Proficient in **data governance**, including **metadata management, Purview, Unity Catalog**, auditing, and maintaining regulatory compliance across multiple cloud and on-premises data platforms.

TECHNICAL SKILLS

Azure & Microsoft ETL/ELT	SSIS, ADF, Databricks, Data Factory, Fabric, Synapse
BI & Reporting Tools	Tableau, Qlik Sense, SSRS, Power BI
Data Warehouses	Oracle, Postgres, MS SQL, SAP BW, Snowflake, Redshift
Scripting Languages	SQL, Big Query, Spark SQL, Python, PySpark
Automation	DevOps, CI/CD, Git, Power Automate, Power flows
Other skills & IDE's	PyCharm, SSMS, Visual Studio, Git, Jira, Kanban, Functions

PROFESSIONAL EXPERIENCE

Aquarius Ltd

Data Engineer | Nov 2024 to May 2026

- Acted as key contributor in requirement analysis sessions with business users, converting functional needs into scalable data platform designs using **Azure Data Engineering services** for enterprise use cases.
- Developed and scheduled enterprise-grade ingestion workflows using **ADF, Databricks, Fabric** ensuring reliable movement of data from various systems into cloud storage with minimal latency and errors.
- Built optimized transformation pipelines using **Databricks**, tuning Spark configurations and cluster resources to efficiently process high-volume structured and semi-structured enterprise datasets.
- Designed reusable data transformation frameworks using **PySpark**, implementing modular DataFrame logic, performance tuning techniques, and distributed processing for large-scale analytics workloads.
- Architected **Delta Lake** lakehouse solutions, enabling efficient data versioning, schema enforcement, and scalable analytical processing across multiple enterprise data layers and workloads.
- Developed API-based ingestion solutions, handling **rate limits**, pagination control, authentication flows, and error handling to ensure smooth and continuous enterprise data integration across systems.
- Implemented enterprise-wide governance policies using **Unity Catalog**, ensuring secure data access, centralized metadata control, and compliance with organizational data standards.
- Created analytical dashboards using **Power BI**, delivering business-friendly visualizations for KPI tracking, operational monitoring, and strategic decision-making across departments and business units.

- Established automated **CI/CD** pipelines using **Azure DevOps**, integrating build and deployment processes for Databricks notebooks and data pipelines across development, staging, and production environments.
- Managed production environments by proactively monitoring data workflows, identifying failures, resolving incidents, and ensuring uninterrupted availability of enterprise analytics systems.

Blackstone (Wipro Contract)

Data Engineer | Jun 2022 to Sep 2023

- Collaborated with enterprise stakeholders to gather analytical requirements and designed scalable cloud data solutions using Azure ecosystem services for multi-domain business reporting.
- Built hybrid orchestration pipelines using **ADF** and **Databricks**, enabling seamless scheduling and dependency management across distributed cloud data ingestion processes with improved automation and reliability.
- Implemented high-performance Spark processing workflows using Databricks, optimizing cluster utilization for handling large-scale structured and unstructured datasets efficiently with improved performance.
- Developed advanced data transformation scripts using **Python**, ensuring data cleansing, standardization, and enrichment for enterprise analytics consumption layers with high accuracy and consistency.
- Designed scalable **Delta Lake** architecture, supporting transactional integrity, historical data tracking, and optimized query performance for analytical workloads across enterprise data platforms.
- Enforced data governance using **Unity Catalog**, implementing secure access policies, dataset classification, and metadata lineage tracking across enterprise systems with strong compliance enforcement.
- Developed executive dashboards using **Power BI**, enabling stakeholders to monitor operational KPIs and derive insights from real-time enterprise data for strategic and informed decision-making.
- Automated deployment processes using **Azure DevOps pipelines**, ensuring consistent and error-free delivery of data engineering components across environments with streamlined release management.
- Supported production systems by troubleshooting pipeline failures, optimizing query performance, and maintaining stable and reliable data platform operations for continuous business availability.

William Energy (Wipro Contract)

Data Engineer | July 2021 to Jun 2022

- Engaged with SAP functional teams to analyze reporting requirements and designed enterprise data integration solutions using Azure Data Engineering stack for scalable and reliable business analytics platforms.
- Developed ETL workflows using **ADF** and **SSIS**, enabling structured extraction of SAP BW and SAP BO data into centralized analytics platforms with improved data consistency, reliability, and efficiency.
- Implemented scalable transformation logic using **PySpark**, optimizing complex business rules and ensuring efficient handling of large SAP datasets with improved performance and processing speed.
- Designed lake-based architecture using **Delta Lake**, enabling structured storage, version control, and optimized analytics processing for enterprise reporting with enhanced data reliability and scalability.
- Integrated SAP systems using custom connectors and pipelines, ensuring secure and reliable data movement into **Azure-based cloud platforms** with seamless enterprise system connectivity and integration.
- Developed analytical models using **SSAS**, supporting multidimensional reporting and fast query performance for business intelligence requirements across enterprise analytical workloads and reporting systems.
- Created interactive dashboards using **Power BI**, enabling business users to analyze SAP operational data and generate actionable insights for improved decision-making and reporting visibility.
- Managed version control and collaboration using **Git**, ensuring structured development lifecycle, code consistency, and smooth deployment across multiple environments with controlled releases.
- Provided production support by monitoring ETL jobs, resolving data issues, and ensuring uninterrupted availability of enterprise reporting systems with high reliability and minimal downtime.

EDUCATION

Master of Science MSc in International Business Management with Advanced Research

University of Hertfordshire | United Kingdom

| Oct 2023– Oct2025

Bachelor of Science BSc in computer science with Statistics

Krishna University | India

| June 2017– Jan2021

CERTIFICATIONS

Microsoft Certified: Azure BI & Data Engineering.