

Venugopal Pittala

Senior Cloud Big Data Engineer

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Open to Relocate ◇ [LinkedIn](#) ◇ [GitHub](#)

SUMMARY

Data Engineer with 7+ years of experience in cloud-based data engineering and a total of 17+ years in IT. Skilled in designing and optimizing large-scale data pipelines using Azure, AWS, and GCP platforms. Proven track record in integrating, transforming, and managing data across complex environments, leading to improvements in efficiency, cost savings, and data quality. Certified Azure Data Engineer with expertise in Python, Spark, SQL, and CI/CD tools.

EXPERIENCE

Associate Manager - Data Engineer

Aug '22 — Present
United States

DXC Technology

- Project: Ahold Delhaize (Global Retail and Food Services)
- Designed and optimized data pipelines, increasing processing speed by 25%.
- Delivered robust data solutions improving effectiveness by 15% through adherence to engineering standards.
- Partnered with architects to reduce data processing time by 20% by optimizing ETL processes.
- Led stakeholder engagement throughout the project lifecycle, resulting in a 10% improvement in delivery timelines.
- Developed reusable Azure Data Factory (ADF) pipelines, increasing data movement efficiency by 40%.
- Built Azure Databricks notebooks to streamline data processing from multiple sources to Azure Data Lake and Synapse, improving efficiency by 50%.
- Implemented monitoring tools, reducing data errors by 30%.

Senior Software Data Engineer

May '17 — Jul '22
Hyderabad, India

Optum Global Services Pvt Ltd

- Project: HSS Webstrat (web based Claims Grouping and Pricing System)
- Designed dimension and fact tables for data modeling, ensuring 100% accurate data representation.
- Built PySpark Databricks notebooks for faster data ingestion and transformation, increasing processing efficiency by 50%.
- Developed external Delta Lake tables with partitioning, enhancing data organization and retrieval.
- Created logging mechanisms in Databricks for efficient data processing and issue tracking, achieving 100% monitoring effectiveness.
- Optimized PySpark functions, reducing data processing time by 30%.

Senior Software Engineer (BI Reporting)

May '15 — Apr '17
Hyderabad, India

Optum Global Services Pvt Ltd

- Designed and deployed BI frameworks, increasing data reporting by 20%.
- Created SSIS packages with improved data loading techniques, boosting data integration efficiency by 25%.
- Monitored daily data loads, ensuring 100% data integrity and timely processing.

Senior Quality Engineer (Automation)

Apr '07 — May '15
Hyderabad, India

Optum Global Services Private Limited (UHG)

- Implemented Selenium and REST API Automation frameworks, reducing testing time by 50%.
- Led automation efforts in healthcare web applications, improving data warehouse project delivery by 30%.

EDUCATION

M.Sc. in Computer Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Aurangabad, India

B.Sc. in Computer Science, Kakatiya University, Warangal

Warangal, India

SKILLS

Cloud Platforms Azure Data Factory, Azure Databricks, Azure Synapse, AWS (S3, SQS, EC2, Athena), GCP

Programming Languages Python, Scala, Java, PySpark

Big Data Technologies Spark, Snowflake, AI/ML Integration

Data Engineering ETL/ELT, Data Modeling, Data Warehousing, Data Quality, SQL, Data Governance, Data Model

DevOps Tools Jenkins, Azure DevOps, GitHub, Control-M

CERTIFICATIONS

Certified Scrum Master PSM 1

Azure Cloud Fundamentals (AZ-900)

Azure Data Engineer (DP-203)

Azure Data Fundamentals (DP-900)

Databricks Certified Data Engineer Associate

AWARDS

Star Award

Optum Global Services

Reduced the failed claims ratio by over 60% through collaboration with PowerBI reporting and customer service teams, significantly improving customer experience during my early years in Optum Global Services

On-the-Spot Award

Optum Global Services

Recognized for extraordinary support to multiple customers across different time zones during my work in Optum Global Services

Quarterly Sustaining Award

Optum Global Services

For taking end-to-end ownership in resolving critical WebStrat claims issues during my work in Optum Global Services

LANGUAGES

English (fluent)

German (basic)

VISA AND WORK PERMIT

- India
- Germany (Job seeker visa)