

Ganeshprasad Shetty

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Professional Summary

Senior Data Engineer with 5+ years of experience designing scalable data platforms, ETL/ELT pipelines, and analytics solutions using Azure Synapse, Azure Data Factory, Databricks, Spark, and Snowflake. Proven expertise in data warehousing, big data optimization, and cloud analytics for Fortune 500 clients. Experienced in Agile delivery, stakeholder collaboration, and leading teams of 4–12 engineers to deliver end-to-end data solutions.

Technical Skills

- Cloud & Big Data: Microsoft Azure, AWS, Azure Synapse Analytics, Databricks, Apache Spark, Hadoop, Microsoft Fabric
- Data Engineering & BI: Azure Data Factory, ADLS Gen2, Snowflake, Power BI, ADX/Kusto, ETL Pipelines, Warehousing
- Databases & APIs: SQL Server, MongoDB, REST APIs, Entity Framework, LINQ
- DevOps & Tools: Azure DevOps, Kubernetes, Docker, Git, CI/CD Pipelines
- Architecture & Concepts: Microservices, Distributed Systems, Agile Methodologies, Scalable System Design
- Languages & Frameworks: Python, PySpark, SQL, ASP.NET Core, Web API, Spring Boot, React.js, Angular, C#, Java

Professional Experience

MAQ Software

- **Senior Software Engineer 2** Aug 2025 – Present
 - Architected and implemented an Azure-based Lakehouse Architecture leveraging Medallion Architecture, Delta Lake, CDC, and Incremental Loading patterns for enterprise-scale analytics.
 - Designed Star Schema and Dimensional Models with SCD Type 2 support, enabling historical reporting and scalable BI solutions.
 - Established Data Governance and Data Quality frameworks while optimizing Spark workloads through partitioning and performance tuning, reducing processing times by 50%.
- **Senior Software Engineer 1** Sep 2024 – Aug 2025
 - Designed and deployed 20+ enterprise ETL pipelines using Azure Data Factory and Azure Synapse Analytics, improving workflow efficiency by 30%.
 - Optimized Spark and SQL transformations, reducing query execution time by 25%.
 - Worked closely with Microsoft Azure Synapse engineering teams to resolve platform-level issues.
 - Managed agile deliverables and coordinated with teams of 4–12 developers.
- **Software Engineer 2** Sep 2023 – Aug 2024
 - Developed ETL workflows and mapping data flows using Azure Data Factory, improving automation efficiency by 45%.
 - Optimized enterprise reporting datasets and SQL queries, reducing report refresh time by 30%.
 - Supported migration of on-premises SQL Server workloads to Azure analytics platforms.
- **Software Engineer 1** Oct 2021 – Aug 2023
 - Contributed to migration of enterprise data platforms from SQL Server to Azure Synapse Analytics.
 - Developed scalable Spark and Hadoop-based data processing workflows for analytics solutions.
 - Accelerated ETL processing by 3×, reducing execution time from 48 hours to 16 hours using Spark and SQL optimization.

L&T Technology Services Limited

- **Associate Software Engineer** Mar 2021 – Oct 2021
 - Gained experience in application development, debugging, testing, and deployment processes.
 - Tech Stack: Embedded C, C++, Python, Arduino, SQL

Certifications

Cloud & Data Engineering

- Microsoft Certified: DP-700 Fabric Data Engineer Associate
- Microsoft Certified: DP-600 Fabric Analytics Engineer Associate
- Azure Synapse Analytics
- Azure Data Explorer

Snowflake

- SnowPro Associate: Platform Certification
- Snowflake - Data Engineering
- Snowflake - Data Warehouse

Graph Database & Neo4j

- Graph Data Modeling Fundamentals
- Neo4j Fundamentals

Development

- React JS Certification
- Angular Certification
- .NET Core

Awards & Achievements

- Organization-Wide **Champion of the Quarter** – MAQ Software | Jul 2025
- Organization-Wide **Top 5 Champion of the Quarter** – MAQ Software | Jan 2025
- Organization-Wide **Top 5 Champion of the Quarter** – MAQ Software | Jul 2024
- **Spot Award** – MAQ Software | Feb 2024
Recognized for exceptional project contributions, customer impact, rapid adoption of Power BI technologies, and resolving complex UAT issues.
- **Spot Award** – MAQ Software | Apr 2023
Awarded for leading Azure Synapse engine enhancements, supporting cross-functional teams, and becoming a subject matter expert in Azure Synapse Analytics.
- **Star of the Month** – MAQ Software | Feb & Mar 2023
Recognized for outstanding project execution, technical mentorship, and upskilling in Azure technologies.
- Organization-Wide **Top 5 Rising Star of the Quarter** – MAQ Software | Apr 2023
- **#1 in T-SQL Technical Assessment** – MAQ Software | Feb 2023
- **Spot Award** – MAQ Software | Mar 2022
Recognized for contributions to Azure Synapse migration, technical ownership, proactive issue tracking, and cross-team collaboration.
- **Innovative Project Award** – L&T Technology Services | Jul 2021
Awarded for developing the “F1 Pitstop Strategy Generator” project during SDLC training.

Education

- **SDM College of Engineering and Technology, Dharwad** 2017 - 2021
Bachelor of Engineering – BE / B.Tech / Bs, Computer Science – CGPA: 8.26
Courses: Data Structures, Database Management Systems, Distributed Systems, Cloud Computing, Operating Systems, Computer Networks, Data Warehousing & Mining, Software Testing, Web Technologies, Compiler Design
Activities & Leadership:
 - Class Representative
 - Organized and conducted coding clubs for the CSE branch at SDMCET
 - Coordinated and managed events for the Insignia college fest.