

Sunil Guntupalli

DATA ENGINEER | CLOUD DATA ENGINEER

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PROFESSIONAL SUMMARY

Data Engineer / Cloud Data Engineer with 4+ years of engineering experience across data-intensive services, SQL/PostgreSQL, event-driven systems, APIs, and cloud platforms. Hands-on with Azure Data Factory, ADLS Gen2, Databricks, PySpark, Spark, Kafka, and Delta Lake, with experience improving data-access reliability, production observability, and deployment automation. Build and troubleshoot maintainable pipelines and integrations that move operational data into analytics-ready datasets.

TECHNICAL SKILLS

Data Engineering: SQL, Python, PySpark, Apache Spark, ETL/ELT, Data Pipelines, Data Integration, Data Quality, Data Modeling, Data Warehousing

Azure & Lakehouse: Microsoft Azure, Azure Data Factory (ADF), Azure Databricks, ADLS Gen2, Delta Lake, Medallion Architecture

Databases & Streaming: PostgreSQL, Apache Kafka, RabbitMQ, REST APIs, Query Optimization

Platform & Delivery: Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Git, CI/CD, Prometheus, Grafana

PROFESSIONAL EXPERIENCE

Yeskar Technologies Inc

Apr 2026 - Present

Software Engineer | Data & Cloud Platforms | Wisconsin, United States | Hybrid

- Build PostgreSQL-backed services and data models supporting enterprise reporting, analytics, and operational workflows.
- Design REST integration contracts and data-exchange patterns that keep internal systems and downstream consumers synchronized.
- Standardize Docker/Kubernetes deployment patterns across environments, improving release consistency and repeatability.
- Automate CI/CD with Jenkins and GitHub Actions to reduce manual deployment steps and improve release reliability.
- Use Prometheus and Grafana telemetry to isolate production failures, data-availability issues, and service-health regressions.

OpenQQuantify

Jun 2025 - Apr 2026

Software Engineer | Data Engineering & Cloud Platforms | Virginia, United States | Hybrid

- Built PostgreSQL-backed data-access services powering product workflows, internal reporting, and enterprise integrations.
- Tuned SQL queries, indexes, and access patterns to improve response times, database reliability, and troubleshooting speed.
- Engineered Kafka workflows with validation, retries, and dead-letter handling for resilient asynchronous processing.
- Integrated REST APIs that moved data reliably between services and downstream applications across product workflows.
- Used Docker, Kubernetes, Terraform, and cloud services to create repeatable environments and resolve production issues.

Motorola Solutions

Jun 2021 - Jul 2023

Software Engineer | Data Integration & Distributed Systems | Bengaluru, India | On-site

- Built backend services and integration workflows for enterprise and public-safety technology platforms.
- Designed REST APIs and service contracts consumed by downstream application and engineering teams.
- Implemented Kafka and RabbitMQ event flows for asynchronous processing and decoupled distributed services.
- Optimized SQL queries and data-access patterns for high-volume operational datasets and production workloads.
- Refactored monolithic components into independently deployable services and supported Jenkins-based release validation.

Deloitte

Jan 2022 - Apr 2022

Software Engineering Analyst | Data Integration & IAM | Bengaluru, India | Remote

- Developed REST integrations for user, account, role, entitlement, and access data across enterprise systems.
- Used SQL to validate identity, account, entitlement, and reporting data across integration workflows.
- Supported SailPoint IdentityIQ lifecycle, provisioning, access reviews, UAT, defect validation, and troubleshooting.
- Diagnosed integration defects with remote teams and strengthened delivery, validation, and support documentation.

Mad Crayons

Jun 2020 - Jul 2021

Software Engineer Intern | Data & Analytics Applications | Delhi, India | Remote

- Built Python/Flask prototypes and SQL-backed data models for analytics workflows, reporting, and internal business tools.
- Connected application interfaces to REST APIs and backend data services for reliable data-driven features.
- Supported Git-based development, pull-request reviews, testing, defect resolution, and release-readiness activities.
- Partnered with designers and engineers to deliver maintainable application features and internal tools.

DATA ENGINEERING PROJECT

End-to-End Azure Data Engineering Pipeline | Personal Project

Azure Data Factory | ADLS Gen2 | Azure Databricks | PySpark | SQL | Python | Delta Lake | Git

- Build ingestion flows for 3 source types - APIs, files, and relational data - using Azure Data Factory into ADLS Gen2 and Databricks.
- Transform and curate data with PySpark/SQL across 3 Medallion layers - Bronze, Silver, and Gold - for analytics-ready datasets.
- Add data-quality validation, failure handling, and monitoring so pipeline behavior is observable, recoverable, and maintainable.
- Publish curated Gold-layer datasets structured for downstream reporting and analytics consumption.

EDUCATION

University of Cincinnati | Master of Engineering in Computer and Information Sciences

Aug 2023 - May 2025

KL University | Bachelor of Technology in Computer and Information Sciences

Jul 2018 - Apr 2022

LEADERSHIP & COMMUNITY

Technical Mentor & STEM Volunteer

- Mentored 1,200+ students and delivered 20+ technology workshops focused on practical learning and career development.
- Supported STEM initiatives reaching 500+ students; workshops averaged 4.8/5 participant feedback.