

Sunil Kurumala

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PROFESSIONAL SUMMARY

Senior Data Analyst with **6+ years of experience** driving data analytics, reporting, and automation across large-scale supply chain and operational environments. Expertise in **SQL, Python, Power BI, Snowflake, and cloud data platforms** with a strong background in data modeling, ETL pipeline development, KPI reporting, and analytics.

Proven ability to translate complex datasets into **actionable insights for leadership**, support business continuity during high-impact incidents, and improve operational efficiency through automation and predictive analytics. Strong cross-functional collaborator experienced in working with engineering, IT, procurement, operations, and executive stakeholders in fast-paced environments.

PROFESSIONAL EXPERIENCE

Senior Supply Chain Data Analyst	Department of Healthcare and Family Services	Feb 2024 – Present USA
<ul style="list-style-type: none">Act as a lead data analytics partner supporting \$450M+ procure-to-pay operations, delivering accurate and timely insights to senior leadership and operational teams.Design, develop, and maintain enterprise Power BI dashboards serving as a control tower for OTIF, lead-time variance, supplier delays, fulfillment risks, and inventory exposure.Perform deep-dive analytical investigations during operational disruptions, identifying root causes using MRP, BOM, supplier, and transactional datasets.Build and automate Snowflake-based ETL pipelines to ingest data from ERP, inventory, and procurement systems, improving reporting latency and data reliability.Develop Python-driven analytics solutions, including NLP sentiment analysis on supplier and stakeholder communications, to prioritize risks and escalation paths.Partner with cross-functional teams (IT, procurement, vendor management, operations) to ensure data integrity, consistency, and governance.Conduct post-incident reviews (PIRs) by analyzing performance metrics, operational gaps, and recovery timelines to support continuous improvement initiatives.Provide executive-ready reporting, translating complex datasets into clear insights and recommendations.		

Supply Chain Data Analyst	Western Digital	May 2021 – July 2022 India
<ul style="list-style-type: none">Supported live production, logistics, and supply chain operations by delivering real-time analytics during high-severity supply disruptions.Designed and deployed interactive dashboards tracking WIP, finished goods, supplier delivery performance, takt time, and throughput.Wrote complex SQL queries and Python scripts to analyze large datasets, uncovering bottlenecks and fulfillment risks.Built anomaly detection models to identify early warning signals for inventory shortages and supplier delays.Conducted cost-to-serve, logistics mode-shift, and scenario analysis to support data-driven decision-making during supply constraints.Collaborated with procurement, planning, and manufacturing teams to align analytical insights with operational execution.		

Associate Supply Chain Analyst	Western Digital	Jun 2018 – Apr 2021 India
<ul style="list-style-type: none">Monitored MRP health, purchase order exceptions, OTIF gaps, and fulfillment risks using automated SQL-based reports.Built operational dashboards enabling leadership to quickly understand incident scope, impacted SKUs, and recovery progress.Automated daily and weekly reports for DOS, fill rate, backorders, and inventory aging using SQL and Excel.Supported AWS and Snowflake data migration initiatives, improving scalability and performance of reporting systems.Performed trend analysis and root-cause investigations to support corrective action and process improvement.Contributed to retrospective reviews by documenting data insights and performance improvements.		

CORE SKILLS

1. **Data Analytics & Reporting**
Data Cleaning, Data Validation, Data Modeling, Root Cause Analysis (RCA), Trend & Variance Analysis, KPI Development, Executive & Ad-hoc Reporting
2. **Business Intelligence & Visualization**
Power BI (DAX, Data Modeling, Performance Optimization), Tableau (LOD Expressions), Looker Studio, Excel (Power Query, PowerPivot, Advanced Formulas)
3. **Programming & Querying**
SQL (MySQL, PostgreSQL, T-SQL, CTEs, Window Functions), Python (Pandas, NumPy, Prophet, Matplotlib), Bash Scripting, R (Basic)
4. **Data Engineering & Cloud Platforms**
Snowflake, Databricks, Azure Synapse, BigQuery, AWS (S3, RDS, Lambda), Airflow, Automated ETL &
5. **Advanced Analytics, AI & Enterprise Tools**
Time Series Forecasting, Anomaly Detection, Predictive Analytics, NLP & Sentiment Analysis, Scenario Modeling, SAP (MM/PP), Oracle, NetSuite, Jira, Confluence, Git, Agile & Scrum

TECHNICAL SKILLS

- Languages:** SQL, Python, R (Basic)
- BI Tools:** Power BI, Tableau, Looker
- Databases:** Snowflake, SQL Server, MySQL, PostgreSQL, Redshift
- Cloud Platforms:** AWS, Azure
- Analytics:** Forecasting, Predictive Modeling, NLP
- Tools:** Jira, Confluence, Git, SAP, Oracle, NetSuite

EDUCATION

Master of Science (M.S.) – Computer Science
University of Illinois, Springfield, IL | **Aug 2022 – Dec 2023**

Bachelor of Engineering (B.E.) – Information Technology
Vemana Institute of Technology, Bengaluru, India | **Aug 2014 – Jun 2018**