

# SURESH MONDAN

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**Data Engineering Leader | Data Pipeline Development | Data & Analytics Operations | Data Science | Data Ops | Database Administration**

Data Engineering Leader with extensive expertise in leading the development and optimization of complex data infrastructures and ETL processes. Utilizes a robust command of SQL, Python, Spark and cloud-based data platforms to advance data integration and reporting capabilities, supporting critical business operations and strategic decision-making. Experienced in DataOps, enhances data accuracy, efficiency, and accessibility across diverse platforms. Implements scalable data solutions that align with organizational goals, significantly improving overall data governance.

**Key Skills:** Data Storage Optimization, Cost Reduction, Data Architecture Improvement, Data Process Automation, Database Management, Data Security Improvement, Team Training, Project Management, Agile Methodology, ETL Management, Cloud Solution Implementation, Data Modeling, Dashboard Development, Compliance Oversight, Data Warehousing, Data Quality & Reliability Improvement, ML Workflow Development, Disaster Recovery Planning, Data Integration, API Management, Strategic Planning

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## PROFESSIONAL EXPERIENCE

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### Associate Manager Data Architecture for Walt Disney, Accenture

**06/2018 – Present**

Spearheaded management of existing data warehouses, ensuring swift resolution of incidents and implementation of enhancements, maintaining operational stability and efficiency. Led the development and execution of project plans for significant enhancements. Supported new business initiatives by crafting responses to RFPs, developing comprehensive solutions, and presenting budget and project plans to senior leadership to secure client engagements.

- Saved \$50,000 in licensing fees by engineering a custom connector between Informatica and Snowflake, optimizing data transfer and enabling scalable cloud data management.
- Reduced incident response times by 25% and improved system reliability by implementing an AWS-based incident generation framework to enhance real-time monitoring of data pipelines.
- Reduced data report generation time from 4 hours to 15 minutes, subsequently accelerating decision-making for executive leadership during critical business reviews, by optimizing ETL processes.
- Ensured smooth organizational transitions post-merger by directing the technical integration of employee data systems for Disney and Fox as well as designing and implementing robust data pipelines.
- Boosted departmental competencies and enhanced operational efficiencies in line with Accenture's high standards by developing and delivering SQL and data warehousing training to 50 team members.
- Fostered significant growth by managing and responding to RFPs, securing contracts valued up to \$3M by strategically aligning technical solutions with detailed client business requirements.
- Solved performance issues and data inaccuracies, restoring confidence in business intelligence platforms among stakeholders, by leading the redesign of Talent Acquisition DataMart's reporting consumption layer.
- Protected sensitive corporate information by spearheading a comprehensive data security overhaul utilizing Snowflake's advanced data masking capabilities and conducting regular audits.
- Enhanced the accuracy and timeliness of financial reporting, critical for end-of-month closings, by innovating financial data reconciliation techniques integrating summary and detailed ledger data.

### Senior Data Engineer for Walt Disney, Accenture

**12/2014 – 05/2018**

Spearheaded the integration and deployment of advanced BI scorecards and dashboards, enhancing data visualization with features like master-detail relationships and drill-through capabilities. Led performance tuning of reports using push-down processing techniques and Cognos functions to support real-time needs. Hosting stand-up meetings and sprint planning, while serving as a liaison between clients, onshore teams, and technical staff for incident and enhancement resolutions.

- Enhanced data warehouse capability by developing complex ETL processes for three key data sources—financial, HR, and talent acquisition—integrating varying data dimensions and supporting scalable solutions.
- Reduced overall pipeline processing time by 18 hours through the implementation of parallel processing strategies, significantly improving weekly data update cycles and SLA compliance.

- Optimized Cognos system performance by leading performance tuning efforts that substantially reduced report run-time, enhancing real-time business reporting capabilities across the organization.
- Pioneered a robust integration technique to accommodate multi-language data sets by increasing database character limits, preventing data truncation and preserving integrity in multinational environments.
- Transformed Disney's people data management by helping to expand a small initial team into a center of excellence that centralized data queries and improved organizational responsiveness.
- Resolved 20% of complex data pipeline issues by performing detailed root cause analysis and implementing corrective actions, significantly boosting data flow efficiency and accuracy.
- Designed and maintained advanced recruitment dashboards with drill-down capabilities by providing detailed insights into staffing trends and application statuses, informing strategic HR decisions.

#### **Data Engineer for CHUBB Insurance, Accenture**

**12/2010 – 11/2014**

Led design and development of advanced reporting modules, integrating .Net applications with Crystal Reports to enhance report generation capabilities across platforms. Oversaw comprehensive troubleshooting and root-cause analysis, formulating solutions to optimize stored procedures and complex SQL functions for efficient data management.

- Enhanced agent compensation processes and ensured accurate and efficient data management for insurance operations by migrating 50 high-priority reports from SQL Server to a DB2 system.
- Boosted operational responsiveness by 70%, enabling timely business decisions and enhanced field agent performance, through improved data pipeline efficiency that updated weekly agent incentive payments and sales data.
- Met stringent seven-second real-time reporting requirements and identified churns in policy renewals by developing a dynamic data processing procedure.
- Enabled instant policy sales at customer locations and enhanced mobility for field agents by supporting the integration of a .Net application with Crystal Reports to generate policy documents on-demand.
- Reduced run times significantly, improving operational responsiveness by optimizing SQL pipelines for agent incentive payment data, ensuring field managers received updated performance data within two weeks.
- Standardized data formats and ensured compatibility with the existing policy admin system by constructing a complex SQL-based data import system to handle variations across different regional policy administration practices.

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### **TECHNICAL SKILLS**

<b>Data Integration &amp; ETL:</b>	Informatica PowerCenter, IICS (Informatica Intelligent Cloud Services), Apache Airflow
<b>Data Analysis &amp; Visualization:</b>	Tableau, Cognos Analytics, SAP BusinessObjects, Power BI, IBM Cognos Analytics, Microsoft Excel, Crystal Reports
<b>Cloud Platforms &amp; Database Technologies:</b>	Amazon Web Services, Snowflake, Oracle, Microsoft SQL Server, DB2, Amazon Redshift
<b>Programming &amp; Development:</b>	Python, SQL, C, C++, C#, Java, Shell Scripting, GitLab, API utilization, SAP ECC, Apache Spark

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### **EDUCATION & CERTIFICATION**

**Bachelor of Engineering in Electronics and Communication**, Anna University, Chennai

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#### **Certifications:**

SnowPro Core, Snowflake

Data Architect, MIT Professional Education

Data Warehouse Essential: Architecture Frameworks & Implementation, Skillsoft

ICAgile Professional, IC Agile.