Ashish Verma

Contact Information

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- LinkedIn: Linked Profile
- GitHub: GitHub Profile

Summary

Detail-oriented Lead Data Engineer designs, develops and maintains highly scalable, secure and reliable data structures. Accustomed to working closely with system architects, software architects and design analysts to understand business or industry requirements to develop comprehensive data models. Proficient at developing database architectural strategies at the modeling, design and implementation stages.

Skills

• Cloud Computing • Data Modeling • Python Programming • Real-time Analytics • NoSQL Databases • Spark Development • Scala Programming • Agile Methodologies • ETL Development • Data Integration • Hadoop Ecosystem • Big Data Processing • Data Pipeline Design • Problem Solving • Data Visualization • RDBMS • Data Analysis • SQL and Databases • Analytical Thinking • Data Acquisitions • Amazon Redshift

Education

Old Dominion University, 2023-2024

Masters in Data Science and Analytics,GPA 4.0 Norfolk,USA

Kanpur University, 2006-2010

B.Tech in Computer Science and Engineering,GPA 3.5 Kanpur,India

Work Experience

Lead Data Engineer

PayPal Inc.

San Jose, California

02/2022 - Present

- Optimized data processing by implementing cutting-edge data engineering techniques and tools.
- Created 100+ data pipeline using AWS and GCP products,the whole data engineering life cycle.
- Enhanced data quality and reliability for real-time analytics by designing and deploying robust data pipelines.
- Collaborated with cross-functional teams to gather requirements, ensuring seamless integration of data engineering solutions into existing systems.
- Mentored junior engineers on best practices in data engineering, fostering a culture of continuous learning and improvement within the team.
- Evaluated new technologies and industry trends to identify opportunities for enhancing current systems or developing innovative solutions.
- Reduced latency in real-time analytics applications by optimizing query performance through indexing strategies and proper database design principles.
- Delivered high-quality code reviews for colleagues contributions following established coding standards and best practices, maintaining consistency throughout projects.
- Achieved cost-effective cloud-based storage solutions for handling vast amounts of data, resulting in reduced operational expenses and increased scalability.
- Streamlined data ingestion processes to accommodate increasing volumes of incoming information while maintaining data integrity and ensuring timely accessibility across the organizations.

Data Engineer

Kforce Inc

San Francisco, USA

03/2020 - 01/2022

- Data analysis, data cleansing, data extraction, data transformation and data visualization for various customers and products
- Implemented 50+ data pipelines using Apache Spark and Kafka eco systems real time and near real time by utilization various other GCP and AWS products.
- Led end-to-end implementation of multiple high-impact projects from requirements gathering through deployment and post-launch support stages.
- Fine-tuned query performance and optimized database structures for faster, more accurate data retrieval and reporting.
- Collaborated on ETL (Extract, Transform, Load) tasks, maintaining data integrity and verifying pipeline stability.
- Designed data models for complex analysis needs.

ETL Architect

Cognizant Technology Solutions

San Francisco, USA

04/2014 - 03/2020

- Designed large scale data warehouse and data mart pipelines, implemented various DQ rules, data, converted business requirements into technical specifications and various migration activities from legacy to new ingestion frameworks in python.

- Collaborated with data analysts and business intelligence teams to identify data requirements and ensure that ETL processes support their reporting needs.
- Maintained a high level of security within the ETL environment by implementing necessary access controls and performing regular audits to detect potential vulnerabilities.
- Validated warehouse data structure and accuracy. Completed quality reviews for designs, codes, test plans and documentation methods.
- Collaborated with multi-functional roles to communicate and align development efforts.

Software Engineer

Wipro Technologies Ltd

Bangalore India

11/2011 - 03/2014

- Implemented scalable data warehouse, developed new load strategy using Oracle partitions, data modelling and data analysis using various databases systems and python frameworks.
- Collaborated with cross-functional teams to deliver high-quality software products on schedule.
- Re factored legacy code bases for improved maintainability, paving the way for easier future updates. Developed reusable components that significantly reduced –development effort on multiple projects.