ZOE THOMPSON

Data Warehouse Engineer | Data Analytics | Cloud Solutions

📞 +1-(234)-555-1234 @ zoe@gmail.com 🔗 linkedin.com 📍 Los Angeles, California

SUMMARY

With 10+ years of experience as a data warehouse engineer, I bring extensive expertise in data modeling, cloud data solutions, and analytics tools such as SQL, Snowflake, and PowerBI. My contributions have substantively improved operational efficiencies and informed strategic business decisions, evidenced by a marked increase in productivity and profitability.

SKILLS

Data Warehousing, Data Modeling, ERWin, SQL, Snowflake, Redshift

EXPERIENCE

Lead Data Warehouse Architect

TechSolutions Inc

📅 06/2019 - Present 📍 Los Angeles, CA

- Led the migration of on-premises legacy data systems to cloud-based warehouses, achieving a 40% reduction in operational costs while improving data retrieval times by 70%.
- Spearheaded the integration of Snowflake cloud data warehouse which enhanced data analytics and reporting capabilities for cross-functional teams, supporting an increase in data-driven decision-making.
- Implemented a new E-R modeling system for efficient database structuring that streamlined data flow and reduced redundancy, resulting in a 25% increase in productivity for the data analytics team.
- Designed and maintained over 20 data marts, enabling tailored data views which facilitated user-specific analysis, greatly enhancing the usability of data resources organization-wide.
- Automated the extraction, transformation, and load processes (ETL) using Python and SQL, leading to a 50% reduction in the time required to prepare data for analysis.
- Developed a comprehensive reporting system using PowerBI and Tableau that provided actionable insights into customer behavior, driving a 15% increase in targeted marketing campaign success.

Senior Data Engineer

Innovatech Data Solutions

📅 03/2016 - 05/2019 📍 Los Angeles, CA

- Optimized the performance of data warehouses by implementing indexing strategies and query optimizations that resulted in a 30% improvement in data processing speeds.
- Collaborated with cross-functional teams to translate business requirements into technical data solutions, aiding in the launch of three major product lines.
- Managed the lifecycle of big data solutions, including building and maintaining NoSQL databases such as Cosmos and Bigtable, which handled over 40 TB of data.
- Devised data validation protocols and error identification mechanisms to ensure a 99.9% accuracy rate in data reporting.
- Initiated and led the deployment of an automated data quality system that reduced manual error correction by 75%, significantly increasing data reliability for end-users.

Data Warehouse Specialist

QuantTech Analytics

📅 08/2012 - 02/2016 📍 San Francisco, CA

- Contributed to the design and development of a multi-terabyte data warehouse that consolidated data across different departments, facilitating a holistic view of the business.
- Enhanced ETL workflows which reduced the data processing window by 4 hours, enabling more timely data availability for analysis.
- Trained 20+ staff members on best practices for data manipulation, query optimization, and report generation, improving overall team efficiency.
- Conducted in-depth analyses of market trends and customer data that contributed to a strategic shift in sales focus, increasing revenue by 10%.

EDUCATION

Master of Science in Data Science

University of Southern California

📅 01/2010 - 01/2012 📍 Los Angeles, CA

EDUCATION

Bachelor of Science in Computer Science
University of California, Los Angeles

📅 01/2006 - 01/2010   📍 Los Angeles, CA

PROJECTS

Real-time Data Parsing Engine

Developed a Python-based engine for processing streaming data into actionable insights, while ensuring minimal latency. GitHub link: github.com/ZoeThompson/RealTimeDataParser

Custom ETL Framework

Created an extensible ETL framework to standardize data transformation tasks across various projects, improving code reusability. GitHub link: github.com/ZoeThompson/CustomETLFramework

Bachelor of Science in Computer Science
University of California, Los Angeles

📅 01/2006 - 01/2010   📍 Los Angeles, CA

PROJECTS