AWS DATA ENGINEER

Senior Backend Software Engineer

@ name@email.com   🔗 linkedin.com   📍 Location

SUMMARY

AWS Data Engineer with 7+ years of experience in the tech industry. Proven track record of designing, developing, and deploying data pipelines and analytical solutions using AWS technologies. Expertise in data warehousing, data lakes, data lakes, data analytics, and machine learning. Strong problem-solving and analytical skills. Passionate about using data to solve real-world problems.

EXPERIENCE

AWS Data Engineer

Amazon AWS   2021 - Present   Seattle, WA

- Designed and implemented a new AWS data warehouse for Amazon's advertising platform, which resulted in a 20% increase in data processing speed and 13M USD reduction in data storage costs.
- Led a team of data engineers in the development of a new AWS data pipeline for Amazon's search engine, which improved data quality by 95% and reduced the time to market for new data products by 50%.
- Developed a new AWS data visualization tool for Amazon's marketing team, which increased the use of data-driven decision making by 25%.
- Presented AWS data warehouse architecture and design best practices at several industry conferences, reaching an audience of over 1,000 data professionals.
- Mentored and trained junior data engineers, helping them to develop their skills and knowledge.

Backend Software Engineer

Zoom   2018 - 2021

- Migrated on-premises data infrastructure to AWS, reducing costs by 1.5M USD and increasing processing efficiency by 30%.
- Developed scalable data pipelines with AWS Glue, reducing data ingestion time by 50% for near-real-time analytics.
- Optimized query performance with AWS Redshift, improving speed by 25% and reducing processing costs by 20%.
- Implemented serverless workflows with AWS Lambda and Step Functions, reducing data processing time by 30%.
- Ensured data governance and security, achieving 95% compliance with data privacy regulations.

Software Developer

Etsy   2015 - 2018

- Automated data processing with AWS Lambda: Built serverless data pipelines using AWS Lambda, reducing manual efforts by 34%, resulting in faster data insights and streamlined workflows.
- Real-time data integration with Apache Kafka: Implemented Apache Kafka for streaming data pipelines, achieving a 52% reduction in data latency, enabling real-time decision making for critical business applications.
- Collaborative data solutions: Partnered with cross-functional teams to deliver data solutions that met 98% of key business requirements, improving operational efficiency and driving business growth.
- Proactive system monitoring: Established comprehensive system monitoring with alerting mechanisms, leading to a 27% reduction in system downtime, ensuring data availability and business continuity.

STRENGTHS

Strong Problem Solver
Developed innovative solutions resulting in a 20% increase in system efficiency.

Effective Team Player
Collaborated with cross-functional teams to deliver high-quality software within tight deadlines.

PROJECTS

Automated Test Framework
Designed and implemented an automated test framework utilizing Selenium and Python, reducing manual testing efforts by 70%. GitHub: github.com/automated-test-framework

Data Visualization Tool
Developed a web-based data visualization tool using D3.js to present complex medical data in an intuitive and user-friendly manner. GitHub: github.com/medical-data-vis-tool

CERTIFICATION

AWS Certified Developer - Associate
Obtained certification in AWS development, demonstrating proficiency in designing and deploying scalable applications on AWS cloud. Certification provided by Amazon Web Services (AWS).

EDUCATION

Bachelor of Engineering in Software Engineering
University of Michigan
2011 - 2015