Himanshu Mundhada

AWS Data Engineer

+91-8871667752
himanshumundhada16@gmail.com
Indore, (M.P.)

Passionate data engineer with 3.5+ years of experience in designing and optimizing ETL pipelines, data workflows, and event-driven architectures using AWS Glue, PySpark, and DynamoDB. Skilled in big data processing, real-time ingestion, and schema design, ensuring high-performance, cost-efficient solutions. Expertise in automating pipelines, optimizing storage, and monitoring data quality with Spark, S3, and Redshift. Passionate about building scalable, secure, and cloud-native data platforms for analytics and business intelligence.

Skills

Programming Languages: Python core, C#
Frameworks and Tools: Alteryx, VS Code, Git, PySpark, Boto3, S3 Presigned URLs, Terraform, AWS Cloudwatch, Redshift, EventBridge.

Clouds: AWS Serverless (Lambda, Glue, DynamoDB, Step Functions, API Gateway, CloudFormation, SQS, SNS, S3), AWS RDS, IAM.
Tech Skills: Data Engineering, Event-Driven Architecture, API Development, Analytics, Code Debugging, CI/CD, Unit Testing and Integration Testing, Happy Path Scenarios

Experience

Accenture, India

Software Engineer Analyst — **January 2023 – Present**

- Implemented partitioning and compression strategies in AWS Glue and S3 to optimize query performance and reduce storage costs.
- Designed and optimized event-driven data workflows using AWS Step Functions, SQS, SNS, Glue, and Lambda, enabling real-time data ingestion and transformation for 500K+ daily records.
- Automated data quality checks within AWS Glue ETL pipelines using CloudWatch Logs and SNS, reducing data discrepancies by 40%.
- Monitored and optimized Glue job performance, reducing execution time by 35% through Spark optimization techniques and efficient resource allocation.

Software Engineer Associate — **September 2021 - December 2022**

- Developed data pipelines for near real-time processing using Kinesis Data Streams and AWS Lambda, ensuring minimal data latency.
- Implemented DynamoDB data modeling best practices including indexing strategies (LSI/GSI), capacity planning, and query optimization, improving read and write efficiency by 50%.
- Developed data lake solutions using S3 and AWS Glue Data Catalog, enabling efficient schema evolution and metadata management.

47-Billion Technologies, Indore

Software Engineer Trainee — **March 2021 - August 2021**

- Developed Python Glue ETL jobs processing 300K+ records per batch, enabling seamless data ingestion into S3 and DynamoDB.
- Automated large-scale data processing tasks, reducing manual intervention and saving 50+ man-hours monthly.
- Designed and deployed data processing workflows using AWS Glue, ensuring cost efficient and scalable data handling.

Achievements

- Pioneered Cost-Saving Initiatives
- Leadership in Project Delivery
- Process Automation for Time-Savings
- Streamlined Deployment Pipelines minimizing manual intervention

Certificates

- AWS Developer Associate
- Azure Developer Associate
- Microsoft Azure Fundamentals

Relevant Projects

End-to-End Serverless Architecture for Data Integration

- Designed and implemented an end-to-end serverless architecture using AWS Lambda, API Gateway, SQS, DynamoDB, etc. for seamless data integration across multiple customers.
- Developed APIs to enable real-time data consumption and production to downstream systems.

AWS Glue and Data Pipeline Automation for Data Cleanup and Transformation

- Developed and automated AWS Glue jobs for data manipulation and ETL processes, significantly reducing manual intervention.
- Designed a solution to automate the deletion of large datasets from S3, saving approximately 50 man-hours each month and reducing storage costs by clearing out GBs of data.
- Integrated CI/CD pipelines for deployment using ADO and YAML configurations.

Education

BTech (CSE): Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (M.P.) **– 7.47 CGPA** — **2017-2021**
Higher Secondary (CBSE): SICA School, Indore, (M.P.) **– 68.20 %** — **2016-2017**