Company Name: **PureWeb**
Video Link: https://www.youtube.com/watch?v=iKYvG5aiIn8
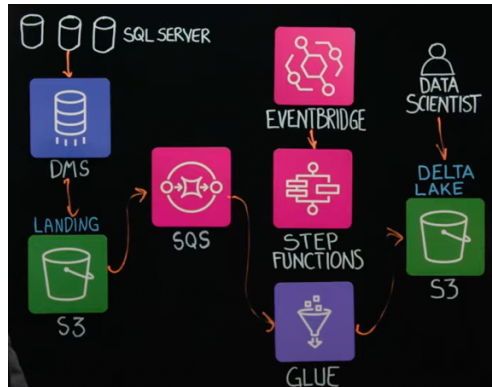
Solution: **TrueBlue: Scaling Job Matching with a Serverless Delta Lake**

TrueBlue use the AWS **Database Migration Service** to extract data, and Amazon **EventBridge** and Amazon **SQS** to do time sequenced processing of it. We also explore how they use AWS Step Functions to orchestrate a workflow of **Glue** jobs to perform continuous upserts into table snapshots for data scientists to consume.

Here using DMS(**Data Migration Service**) data is loaded from SQL server(transactional system) to landing zone **AWS S3** bucket. **S3 event Notification** is setup and it is feeding to **SQS** queue. Different latency requirements for different files. So different SQS queues(depends on latency). **Event Bridge** are triggered based on different SQS. Different **Step functions** triggered and **Workflow of Glue** Jobs happened and processed the files and write it into S3 bucket in parquet format. Consumers used sparkSQL for reading.

AWS SERVICES mentioned:

- **AWS Database Migration Service**: Migrate databases to AWS with minimal downtime.
  https://aws.amazon.com/dms/
- **Amazon S3:** Object storage built to retrieve any amount of data from anywhere.
  https://aws.amazon.com/s3/
- **SQS (Simple Queue Service)** : Fully managed message queues for microservices, distributed systems, and serverless applications https://aws.amazon.com/sqs/
- **Amazon EventBridge**: Build event-driven applications at scale across AWS, existing systems, or SaaS apps. https://aws.amazon.com/eventbridge
- **AWS Step Functions**: Visual workflows for modern applications. https://aws.amazon.com/step-functions
- **AWS Glue:** Simple, scalable, and serverless data integration. https://aws.amazon.com/glue/