## AWS Batch Universal Job Scheduler

- 1. Job schedule definition (json document) is loaded into master table (one-time)
- 2. User can initiate a job schedule by requesting job via REST API (passing job id)
- 3. Optionally, a job schedule can be initiated by a cloud watch event at a specific time
- 4. State machine gets schedule, submits jobs to AWS Batch and monitors job
- 5. AWS Batch scheduling engine handles job dependencies and orchestration
- 6 Big data ETL jobs are executed in the data lake by AWS Glue, lambda, etc.
- 7. Individual EC2-based jobs can be executed via SSM agent
- 8 AWS batch container jobs can perform long-running transformations and other work
- 9. Job failure feedback is delivered via SNS
- 10. Job result (success/failure) is updated into transactions database for reporting

