# Components

Diagram

Description automatically generated

# Processing Flow (Sequence)

Diagram

Description automatically generated

# Processor Service

Diagram

Description automatically generated

Diagram

Description automatically generated

# Data Model

Shape, polygon

Description automatically generated

## FeedMetaData

Store meta-data about the feed file like filename, size, process date, status (In-Progress | Success| Fail)

## Portfolio

Stores feed file data along with status (Success | Fail) where status represent if record pass the validation rules or not.

# Deployment

## Single-node, multi-instances

Diagram, schematic

Description automatically generated

## Multi-node, multi-instances

Diagram

Description automatically generated

# Technology Stack

## Microservices

Diagram

Description automatically generated

## Storage

Relational Data Services : like AWS RDS | AWS Document DB (low to medium data volume)

NoSQL : Couchbase, AWS DynamoDB,

## Computing

EC2 + EKS (Kubernetes + Docker) + Auto Scaling + AWS Cloud Watch

## Monitoring

## Prometheus + Grafna | AWS CloudWatch