Srishti Datta

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Professional Summary

- 14+ years of IT experience as Systems engineer in IT infrastructure

- Administration experience in Attunity/Qlik Replicate, Informatica Suite (Power center, Power exchange), Denodo, Delphix along with Snowflake and MongoDB

- Subject matter expert on Qlik Replicate. This includes installation of infrastructure in AWS, Linux and Windows using automation pipelines

- Familiarity with data sources including Oracle, DB2, SQL Server,Postgres DB, Maria DB, Mysql, Aurora and SAP HANA and Targets including Oracle, S3, Google cloud storage, Google data proc, flat files, Hadoop, Snowflake,Kafka

- Extensive experience managing ETL processes using tool such as Informatica Powercenter

- In depth understanding of networking concepts, available storage solution and load balancing

- Hands-on experience with CI/CD tools like giltab, ansible and Jenkins

- Exposure to Cloud platforms including GCP,AWS and OCP

- Implemented project using docker containers

- Experience with Python, shell scripting

- Implementation of log analysis using ELK, Grafana and Splunk

- Infrastructure monitoring using Dynatrace

- Build dashboards to showcase KPI's and work with a SRE mindset

- Domain experience with verticals including Insurance, Banking and Food Industry

- Worked in a agile team. Participated in standups, maintained backlogs, story creation, Sprint refinement sessions, PI planning session, conducting sprint Retro

- Experience in business requirements gathering, system analysis, development and user training associated with the ETL processes

- Worked on preparation of disaster recovery (DR) strategy for Qlik Replicate, Informatica Powercenter, Snowflake and Delphix

Technical Exposure

Operating Systems	AWS, OCP, RHEL, Centos, Linux Sun Solaris, AIX, Windows, IBM OS/390,Z/OS

CICD Tool	github, gitlab, gitlab pipeline, jenkins, ansible, ansible tower
Cloud Tools	AWS EC2, AWS ELB, AWS ASG, AWS S3, AWS EFS, AWS EBS, AWS Cloudfront, Google cloud data proc, Google cloud storage, git,gitlab, Hashicorp vault, chef, Ansbile, Ansible Tower, Ansible vault
ETL Tools	Informatica Powercenter(8.5, 8.6, 9.0.1, 9.1.0, 9.5.1, 9.6.1, 10.2.1) Informatica Powerexchange(8.5, 9.5, 10.2)
Data Replication/ virtualization	Qlik/Attunity Replicate(4.0.9, 5.2.0, 6.4.0, 6.5.0,7,May2021, Nov 2022) Denodo Virtual DataPort(5.0, 6.0) Delphix virtualization(5.2.5.1, 5.3.9.0) Amazon DMS
Databases	Oracle, SQL Server, DB2, VSAM, MongoDB, Snowflake, PostgresDB
Scripting Languages	Shell script, Python, COBOL, Powershell, JSON, YML
Tools	Autosys, ServiceNow, Instana, Grafana, Kibana, Splunk, Dynatrace, Artifactory, Slack, Endevor, Infoman, Systemware, CA7, Toad, Putty, Fileaid, SQL Developer, CuteFTP, Mobaxterm

Professional Experience

Northwestern Mutual Insurance, Milwaukee, WI   Jan 2023 - Current

Senior Systems Software Engineer

Responsibilities: Building and maintaining infrastructure for Qlik Replicate which would serve as a platform for ingesting data into a unified data platform

- o Install Qlik Replicate in AWS & Linux using terraform and gitlab automation

- o Install Qlik Enterprise manager(QEM) on Windows using automation

- o Automate UI related activities and operational processes using python programming

- o Automate Qlik task creation, endpoint creation

- o Automate feature like add replicate server to QEM, add license to Replicate server in QEM

- o Used Ansible and gitlab pipeline to orchestrate the automation

- o Log ingestion and visualization using ELK

- o Performed stress tests on Qlik Replicate platoform

- o Created Disaster recovery strategy and documentation for Qlik Replicate and QEM

- o Implemented Dynatrace and grafana dashboard for server health monitoring

- Conducted daily Standup, PI planning, Sprint Refinements, Sprint planning, Sprint Retro

- Participated in Women in tech forum and offered voluntary services to NM foundation

Discover Financial Services, Chicago IL   Jan 2021 - Jan 2023

Lead Software Engineer(Product Owner)

Responsibilities: Ownership and building streaming data platform which replicates data in near real time from relational databases to source Datawarehouse (Snowflake) and Kafka.

Specific responsibilities including –
- Installation, maintenance and upgrade of Qlik Replicate via chef
- Installation, maintenance and upgrade of Qlik Enterprise manager on windows.
- Evaluation of platform – windows, Linux, AWS Linux to determine the best fit solution for installation of Qlik Replicate and QEM
- Provisioning of AWS EC2 instances via Ansible
- Enhancement of Replicate code deployment microservices
- Working closely with database endpoints– Oracle, SQL Server, DB2, PostgresDB, Snowflake and Kafka with the understanding of how data flows from these systems and how data is written to them
- Enabling tokenization for critical data elements using protegrity
- Exposure to AWS EC2, EFS, S3, Cloudwatch
- Working with OpenShift container platform to host the deployment automation
- Worked with CICD tools like Jenkins for code deployment
- Maintained and stored secrets in Vault, PPM and AIM
- Exposure to Kafka Kconnect, KSQL DB
- Exposing logs in a centralized location using Filebeat and Elastic search
- Getting the exposure of working on PCI Reviews and working on closing risks that were identified
- Integration with Moogsoft for alerting and monitoring
- Configured filebeat on Qlik Replicate servers to send logs to elastic
- Implementation of SSL Certificates across entire platform
- Work in an agile team where I participated in sprint planning, story grooming and sprint retro
- Testing up test bench for upgrades, patches and new features
- Use of lucid charts and MS Visio to showcase the flowchart for microservice, data flow and interworking of the tool
- Created documents and ReadMe files using markup language

American Family Insurance, Madison WI   Mar 2014-Nov 2019, Mar 2020-Dec,2020

Solution Engineer – Consultant

Responsibilities: Working as administrator part of the infrastructure team managing key Data Engineering tools including Attunity/Qlik Replicate, Informatica ETL, Snowflake and Delphix.

Specific responsibilities including but not limited as below -

- Managing administration activities for Attunity/Qlik Replicate Including Installation, configuration, patching, performance and tuning, source and target configuration along with troubleshooting. Additional specifics as below,
  - Creation of LDAP security groups for user access
  - Setting up of notifications for task related email communication
  - Usage of Qlik enterprise manager for handling multiple Replicate env via single UI
  - Implementation of Full Load, change data capture and log stream replication
  - Most of the tasks replicated data replication from Oracle to Oracle, Oracle to S3, DB2 to GCP, Oracle to Greenplum and Oracle to AWS Aurora
  - Integration of Qlik Replicate with Qlik compose for ETL
  - Integration of Qlik Replicate with Autosys, Service Now, BitBucket, Jenkins, Gitlab
  - Maintain very good ties with the Qlik support and sales team
- Informatica Administrator for Powercenter 8.6, 9.0.1, 9.51, 9.6.1 and 10.2 and Powerexchange 8.5, 9.5.1, 10.2
- Adopted snowflake administration which included managing user access to snowflake, creation of databases and warehouses, Querying databases using worksheets
- Implemented Denodo Virtual DataPort. Denodo Virtual DataPort provides business applications with easy access to integrated views of various heterogeneous, distributed and structured and semi-structured data sources
- Adopted the administration of Delphix virtualization. This tool creates a virtual database without having a physical storage footprint. The virtual databases were used as a source for test data and production fix databases

Gordon Food Services, MI   Nov 2019 – Mar 2020

Data Engineer

Responsibilities

- Qlik/Attunity Replicate used as the data replication tool for transferring real time data between on-premise databases along with on-premise to cloud like GCP (Google cloud platform)
- Worked on automation of the upgrades which took place as soon as a new release was out
- Integration of Qlik Replicate with Qlik Compose
- Setting up replication for replicating data from SAP HANA to GCP data proc
- Wrote the upgrade automation scripts in Python and Powershell
- Maintenance scripts for continuous health check of the systems

PNC Financial services, Pittsburgh   April 2010 – March 2014

Business Analyst

Responsibilities:

Mainframe responsibilities

- Remediation of impacted COBOL programs by working alongside Application Support
- Remediation of impacted Copybooks and JCL
- Creation of test plan, develop test cases and test the scenarios
- Defect logging and resolution of defects
- Migration of mainframe code using Endevor
- Job scheduling is done using CA7
- Production turnover using PTM application of lotus notes
- Post turnover validation is performed once the components are moved into production along with monitoring the first few production runs

Midrange responsibilities

- Monitor production batch which runs in Unix Environment and Informatica version 8.6, 9.5
- Perform the root cause analysis for an issue
- Responsible for resolution of all issues related to the platform which includes product functionality, operational, performance and security issues
- Work on enhancement of the existing process, like adding new functionality to an existing process, converting the FTP process into power exchange
- Work on projects as a business Analyst. Understand the business requirements , convert them into technical requirements and assign it to the team
- Worked on different sources like Mainframe files, DB Tables, flat files and FTP sources
- Created complex mappings, which includes performing ETL from heterogeneous source systems such as Mainframe, databases, Flat Files to staging areas and then to datamarts/warehouses
- Maintained Run book, periodically logging in all the latest issues, resolutions, workarounds, contact lists etc. thereby eliminating similar outages in the environment
- Supporting AIX environment, Repositories and various other external software's which are related to Informatica and other client software's such as Harvest, CA-7 clients, Oracle, DB2 and Autosys
- Understanding business requirements, translating it into technical documents and then performing ETL design in accordance with the established best practices and standards
- Prepared DR plan and recovery process for application

Education

- Bachelor of Engineering (B.S.) Electronics and Communications
  Birla Institute of Technology (BIT), Ranchi