Milagros Nguyen

Palmetto, FL

-Email me on Indeed: http://www.indeed.com/r/Milagros-Nguyen/27634c00e2d5d4f7

Professional Summary

Milagros is a software professional with extensive experience in full lifecycle systems engineering solutions across various modern and legacy data architectures.

She has helped different clients translate transformation strategies into reality by leveraging leading practices and deep expertise in Model Based Systems

Engineering and Data Architecture Principles which requires planning, strategic thinking, and effort to help clients deliver business value. She has successfully applied rules, policies, standards, and models that govern and define the type of data collected and how it is used, stored, managed and integrated within an organization and its database systems in the cloud at several government agencies.

She has a proven track record not only for implementing cloud and data strategy but also helping maintain business agility.

Work Experience

Data Modeler

Accenture-Tampa Florida

February 2023 to April 2023

Work with key business representatives, data owners, end users, application designers and data architects to model current and new EDW in AWS using Redshift.

Created the raw vault model for the ingested data using Data Vault 2.0 construct.

Created the dimensional model for the Data Mart. Used erwin Data Modeler.

QA Lead, DT Enterprise Data Strategy

Accenture-Tampa Florida

September 2022 to November 2022

Lead the Query Validation team. Created the test plan document, assignments and estimates, and presentation deck to depict test cases, data flows, with an emphasis on what technology, GCP BigQuery, Secupi, Denodo, Teradata, Databricks, etc. will be used to conduct the test.

Senior Systems Engineer, TitanX

Accenture Federal Systems-Arlington Virginia

April 2022 to September 2022

Demonstrated Kibana dashboards for indexed datasets to Senior Leaders. Performed

O&M daily checks for the deployed Elastic cluster on AWS EMR.

Setup JIRA and Confluence knowledge repository for the newly formed team.

Facilitated SCRUM ceremonies for the team.

Systems Engineer/Enterprise Architect

Invex Technology Solutions-Fairfax Virginia

June 2016 to March 2022

Created and maintained SQL notebooks to conduct frequency analysis, text analysis to discover pattern, diagnostic analysis to suggest implementation gaps per the data mapping specification, and exploratory analysis to find previously unknown relationships on the new data sets.

Identified data mappings between incoming data set and the target systems data model, identifying transformation rules.

Conducted user acceptance testing (UAT) to verify whether the state of the staged and end-product data sets is ready for production.

Prototyped a contact tracing scenario using Snowflake. Explored Knowledge graphs.

Troubleshooted, managed and provided architecture recommendation for the mission applications used by the Inspector General.

Defined logical data models for several data lakes. Defined search and retrieve

API specifications.

Participated in several data working groups to agree upon ontology, concepts and categories that shows their properties and relationship between these concepts.

Reviewed XML specifications, XSD and Schematron rules from previous version and provided recommendations to the system owners.

Defined enterprise services for the service-oriented target architecture that takes advantage of cloud services, the availability of on-demand capacity and cumulative capabilities and features. Generated service definitions by depicting and describing the service interface and service interactions with other services using UML static and behavioral models. Defined and elaborated the enterprise data model that supports the enterprise services.

Reviewed the implementation designs that would realize the target architecture.

Analyzed design consideration that may delay the adoption to the target architecture. Review recommended technology that would realize the target architecture. Review requirement statements that would enforce the target architecture.

Review ongoing capability request to analyze whether suggested implementation would delay the adoption or compromise the target architecture. Refine the target architecture by participating in the stakeholder requirements analysis as the organization is incrementally building, acquiring and deploying the solution to satisfy the mission needs.

Education

B.S. in Computer Science
George Mason University - Fairfax, Virginia, US
May 1987

A.A.S. in Computer Science
Northern Virginia Community College - Annandale, Virginia, US
June 1984

Skills

- Agile
- erwin data modeler
- SQL

Links

www.linkedin.com/in/milagrosnguyen

Certifications and Licenses

AWS Certified Cloud Practitioner – Foundational

AWS Certified Solutions Architect – Associate