Praveen Guduri

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Strategic, focused, business oriented and results-driven technologist, specializing in developing and executing bold innovative strategies that empower value generating capabilities.Responsible for creating strategies, transformation plans and roadmaps to achieve architecture simplification, technology modernization and adoption of emerging technologies in the field of AI/ML, Data & Analytics to drive business strategies

SPECIALITIES

- Data Engineering and Operations
- Data Analytics
- Data Strategy and Management
- Data Architecture

- Data Infrastructure and Platforms
- Cloud Adoption
- Agile Delivery
- App Dev and Software Engineering

PROJECTS

CNA Financial   *Chicago, IL*
Associate Director, Data & AI/ML Architecture   *Apr 2021 - Present*

Major Roles & Responsibilities

- Leader in architecture team responsible for data and analytics domain management, AI/ML enablement, data lake operationalization & adoption in public cloud, cross-organizational collaboration, creation of future state architecture
- Developed and executed a roadmap/strategy to enable cloud data governance and self-service data discovery for users across the organization resulting in speed to market, enhanced quality of data analysis and operational insights and significant reduction in operating cost.
- Designed and led the implementation of Event platform to support real-time data analytics and model scoring for capturing unrealized premiums on bound quotes.
- Developed multiple proof of concepts of the cutting-edge technologies in the field of AI/ML, BigData, Datalake and helped with roll-out & adoption of selected technologies to enable business value.

Discover Financial Services   *Chicago, IL*
Principal Engineer   *Mar 2018 - April 2021*

Major Roles & Responsibilities

- Led efforts for ETL modernization to build pipelines for various data sources (Kafka, Teradata, Oracle) into snowflake and cloud data lake(S3), which streamlined processes and helped in decommissioning legacy hadoop infrastructure
- Served as SME for the data enablement team, focused on providing robust and scalable ETL framework to the enterprise. Drive API first approach and development of cloud

native data intensive applications.
- Developed event driven ETL data pipelines to continuously load both real-time and batch datasets into S3 data lake and snowflake, to improve data freshness and accuracy.
- Developed metadata driven APIs/Libraries(Flask, Python, Neo4j, Openshift) for cataloging datasets of data lake to reduce lead time for data access.
- Built fully managed ETL service(Python/Spark) with custom converters to collect and publish data from external data providers like Neustar, Facebook, Clicktale into snowflake reducing the load times by 30%
- Developed API's to issue temporary authorization tokens(S3/Snowflake) for secure data access from AWS EC2/EMR/Airflow to support managing multiple environment accounts.
- Led the PoC's for various AWS services like EMR, Glue, Athena, Kinesis, Redshift

HMS Holdings   *Irving, TX*
Lead Developer, Data & Analytics   *Sep 2014 to Mar 2018*

Major Roles & Responsibilities

- Established Hadoop platform at HMS, enabling business users to perform mash up and discovery analytics using unstructured claims datasets.
- Led development of data pipelines(Hadoop, Spark, Nifi, Azure) to support population analytics and member risk intelligence for proactive care management
- Consolidated data ingestion pipelines into data lake for real time data quality and data warehouse ETL offloading(Informatica BDM, Hadoop, Spark, Nifi). This also enabled self service analytics and data democratization
- Developed generic sqoop scripts to import data into HDFS/Hive from variety of relational sources like SQL Server, DB2, Teradata, etc.
- Built schema on read framework for data consumption using Hive and Impala. Built avro standardizer libraries to store and consume disparate file formats seamlessly.
- Developed Mapred input formats for Mainframe EBCDIC(Fixed/VB) and EDI(835/837)
- Provide leadership for the implementation of the HMS reference architecture and present to the Architecture Review Board (ARB).

Infosys Ltd   *Hyderabad,India/FortWorth, TX*
Technology Lead   *May 2008 to Sep 2014*

Major Roles & Responsibilities:

- Collaborated with multiple cross functional teams in client facing roles and implemented end to end ETL solutions(Informatica, DataStage)
- Act as liaison for the design, development, deployment/production support and other technical aspects. Collaborate with Architects and PM's to execute on new proposals and deliver data pipeline solutions for the customers
- Managed requirements, ticketing and sprints for offshore engineering teams
- Developed data integration pipelines from various source systems like Mainframe, EDI, Message Queues, SAP, API using Informatica Product suite
- Involved in meetings with key stakeholders of the business\governance team to plan on strategies and roadmaps for Informatica server upgrades
- Mentored team of 5 in developing high quality code deliverables, perform code reviews and sign off code release for QA stage

EDUCATION

Bachelors of Technology, Computer Science Engineering
SRKR Engineering College, Andhra University