Contact

https://www.youtube.com/channel/
UCLBAb4cvsoZgR9_L_ZBSsfw/
playlists
+6592716405 (Home)
vishnoiprem@gmail.com

www.linkedin.com/in/vishnoiprem
(LinkedIn)
www.youtube.com/channel/
UCLBAb4cvsoZgR9_L_ZBSsfw/
playlists (Portfolio)
medium.com/@premvishnoi (Blog)

Top Skills

power bi

Solution Architecture

Spring Framework

Languages

Hindi (Native or Bilingual)

English (Full Professional)

Certifications

Teradata

Course: Python Programming:
Beginner

An Introduction to Spark

EXPLORATORY DATA
VISUALIZATION

APIS AND WEB SCRAPING

Prem Vishnoi

Sr. Manager - Data & AI | Large-Scale Systems | Azure, AWS,
Alibaba Cloud, Tencent Cloud | Ex-Lazada
Singapore, Singapore

Summary

Hi, I'm Prem Vishnoi, a Cloud Architect and Data Expert passionate
about turning complex data into actionable business strategies.
With extensive experience leading data initiatives in companies
like CPAXTRA, and Lazada, I specialize in designing scalable
architectures and optimizing data ecosystems that drive growth and
innovation.

My journey spans achieving cost reductions in data lake operations
to building real-time data platforms that transform team productivity.
I thrive on tackling challenges at the intersection of data and
technology, leveraging cutting-edge tools like Databricks, Spark, and
Azure to deliver measurable results.

When I'm not refining data strategies or leading cross-functional
teams, I enjoy sharing my knowledge through blogs and engaging
with the tech community to explore the next big ideas in AI, Big Data,
and Cloud Solutions

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Experience

Makro
Data Engineering
June 2024 - Present (11 months)
Thailand

Spearheading the integration of online and retail channels using AWS and
Azure Databricks, driving seamless data strategies and actionable insights.
Leading cross-functional teams to develop scalable solutions, enhancing
business intelligence and aligning with Makro's strategic goals.
Implementing cloud-technologies to reduce operational inefficiencies and
foster innovation, contributing to measurable revenue growth.

Lazada

6 years

Sr Data Engineer(VP)
January 2023 - June 2024 (1 year 6 months)
Singapore

Data Engineering for Internal & External Products: Designed and architected scalable, high-availability data solutions for both internal and external products, ensuring efficient and reliable service delivery across the organization.

Real-time Data Warehouse Development: Pioneered the development of a Real-time Data Warehouse, enabling real-time data processing and insights that significantly improved decision-making and operational efficiency.

Campaign Product Success: Designed and implemented a real-time Campaign Product for data tracking, enhancing campaign performance and enabling real-time adjustments to marketing strategies.

Data Warehouse on Alicloud: Built a scalable data warehouse on Alicloud to store, process, and retrieve large datasets efficiently. This reduced query response times by 50%, improving data accessibility and supporting real-time business intelligence across the organization.

Sr Data Engineer(Sr Manager)
June 2020 - January 2023 (2 years 8 months)
Singapore

Responsibilities:
1. Internal Data Products Data pipeline design using big data (batch and realtime)
2. Build Lazada Real-time data warehouse and exploring for batch-realtime standardization
3. Cooperate with Alibaba data Team and build data pipelinene capability in Lazada

Tech Stack:
1. Realtime technologies related (Flink, Kafka, ADB, HBase, Data service)
2. Batch technologies related (Hive/MaxCompute, DataX, HDFS, Spark, Mysql, Oozie)
3. Basic technologies related (Java, SQL, Python, and SpringBoot)
3. Other technologies related like schedule, Monitoring, and Planning

Sr. Data Engineer(Manager)
July 2018 - June 2020 (2 years)

Cloud Data Migration: Successfully migrated data from traditional databases to the cloud, enabling more efficient data storage, processing, and accessibility for logistics and business operations.

Optimized Data Processing Pipelines: Streamlined and optimized data processing pipelines, significantly improving speed and efficiency. This led to faster data insights and enhanced decision-making capabilities for logistics operations.

Scalable Architecture Design: Designed and implemented a scalable data architecture capable of handling growing data volumes, ensuring the system could support future growth in logistics and e-commerce activities.

Data Quality & Accuracy: Established robust data quality checks and validation processes to ensure high levels of data accuracy and reliability, enhancing decision-making across the business.

Standard Chartered Singapore
Sr. Hadoop Consultant (Data Science/Analytics Big Data)
March 2016 - July 2018 (2 years 5 months)
Singapore

• Experience in Building and analyzing Big Data solutions using various big data technologies and integrating the same into other data sources.
• Strong exposer Knowledge of HDFS, Map Reduce, Spark, Data Science, Hive, Oozie, AVRO serialization frameworks, Sqoop and Flume, SQL, Kafka, and Data Science.
• Experience in Building and analyzing Big Data solutions using various big data technologies and integrating the same into other data sources.
• Ability to learn and adapt to new technologies in a short time and has proven to a level of Creating Proof of concept.
• love data and technologies which process data using a mathematical function.
AWS

DBS Bank
Hadoop Developer (DBS BANK)
September 2015 - March 2016 (7 months)
Singapore

• To Build the Hadoop platform and implement Consumer Banking data into Hadoop and create Enterprise Tables in Hive and real-time data load from IBM MQ using flume.
• Loaded the customer profiles data, customer claims information, billing information, etc. into HDFS using Sqoop and Flume
• Worked on streaming the data into HDFS from web servers using Flume.
• Provided assistance for troubleshooting and resolution of problems relating to Hadoop scripts and custom applications.
• Worked extensively with Sqoop for importing and exporting data from TERADATA into HDFS and Hive.
• Performed complex Joins on the tables in Hive.

PayPal
ETL-Data Engineer
June 2014 - September 2015 (1 year 4 months)
Chennai Area, India

Data Technologies(DT)
• Worked as ETL an Engineer under Enterprise in PayPal
• Won Opportunity to Hack -2014 Hackathon in Paypal
• As an Individual Contributor and contributed to the ETL activities of design, development & support around projects.

Exilant Technologies
Data Warehouse Specialist
January 2011 - May 2014 (3 years 5 months)
Bhubaneshwar Area, India

End-to-End Data Solutions: Managed the complete data pipeline, including ETL processes, Semantic Layer development, and BI reporting for the Apple project.

Teradata Expertise: Utilized Teradata utilities like BTEQ, Fast Export, Fast Load, and Multi Load to efficiently transfer data between source systems and flat files.

Performance Optimization: Conducted performance analysis and SQL query optimization using tools such as EXPLAIN PLAN and Collect Statistics, ensuring efficient database performance.

SQL & Query Tools: Hands-on experience with SQL Workbench, SQL Developer, and Aqua Data Studio for querying, troubleshooting, and monitoring data flows.

Software Development Life Cycle: Played a key role in all phases of the SDLC, from requirements gathering and design to implementation and testing.

Collaboration & Independence: Demonstrated the ability to work both independently and as part of a team, managing multiple tasks and delivering results in a fast-paced environment.

Education

University of Austin
PGPAIML.UT.AUSTIN.SEP19 PW-ML, AI and ML · (2019 - 2020)

University of Rajasthan
Bachelor of Engineering (BE), Electronics and Communication