

Ashish Verma

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SKILLS

Programming Languages	:	Python and Shell
API Framework	:	Flask and FastAPI
Visualization Tool	:	Matplotlib, Seaborn, Tensorboard, Superset and Power BI
Databases	:	Bigquery, PostgreSQL, Oracle, Redshift, Druid, Oracle and MS SQL
CICD	:	IDEs, GitLab, GitHub, Jenkins
Orchestration Tool	:	Autosys and Airflow
Orchestration Technologies	:	Kubernetes
Big Data Technologies	:	Spark, Presto, Hadoop, Hive, MapReduce, YARN, HDFS, Scoop
ETL Technologies	:	Informatica.
Operating Systems	:	Windows, Linux, UNIX, Mac OS
Application Tools	:	Visual Studio Code, Jira, Confluence
Public Cloud	:	AWS and GCP

EDUCATION

Bachelor of Technology in Computer Science Year of completion in 2010	University Institute of Engineering and Technology. CGPA as 8.5
Masters of Data science in AIML	Starting in Fall 2023 from ODU Virginia

CERTIFICATIONS

- AWS Certified Solution Architect Associate
- Databricks Certified Spark Developer 3.0
- Google Cloud Certified Data Engineer.
- Google Cloud Platform Business Professional Accreditation
- Google Analytics Individual Qualification
- Oracle Certified Associate Java SE8 Programmer
- PCEP/PCAP certified python programmer
- Scrum Certified CSPO.

EXPERIENCE

PayPal Inc Solution Architect	Feb 2022 – Current
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- Implemented brand wise dynamic data masking for Big-query.
- Written ingestion frameworks for data integration for various mergers and acquisitions for PayPal brands. Analyze and define clients' business strategy and determine system architecture requirements to achieve business goals.
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- Formulate strategic plans for component development to sustain future project objectives.
- Gather detailed business requirements and use cases, and translate technical specifications into product requirements.
- Create team strategies and establish project scopes of work; communicate project deliverable timeframes and benchmarks to clients.

- Design solution/data architecture design to facilitate targeted customer analysis.
- Suggest architectural improvements, design, and integration solutions, and formulate methodologies to optimize object-oriented software and database development.
- Write and implement logical data mapping for routine ETLs and in-house frameworks
- Lead the multiple teams across the globe for various mergers and acquisitions from PayPal.
- Scrum master for various teams for sprint planning and sprint grooming sessions.
- Handling more than 20 + reporters from various part PayPal brands.

Kforce Inc

Feb 2020 – Feb 2022

Lead Data Engineer

- Well-regarded IT visionary offering of diverse expertise in strategy, consulting, and building solutions for data pipelines development and architecting various application development using SQL, Python, Scala and Unix Shell
- Data analysis, data cleansing, data extraction, data transformation and data visualization for various end to end systems using various ETL frameworks from pygrametl, informatica to custom ETL build solutions.
- Implemented various batch using Apache Spark data frame APIs pushing and pulling data into Hadoop Ecosystem with Scala and python.
- Implemented various real-time solutions using Apache Kafka, Spark Streaming, Pub-sub and pushing data to Apache Druid for real-time data analytics.
- Automated the process of converting HDFS locations to both Hive external and internal tables using Unix Shell.
- Experience automating Druid deployment process using Jenkin build and building the docker file for containerization in Google Kubernetes environment
- Experience in various vulnerabilities scans likes Black duck, Twistlock, Fortify and Sonar.
- Good understanding of Kerberos, LDAP and OpendId connect mechanism for authentication and authorization protocols.
- Coordinating with Offshore team on technical build activities.
- Experience in various Google cloud applications like Compute instances, Big query, pub-sub, Data proc and GKE.

Cognizant US Corp

Mar 2014 – Feb 2020

ETL Architect

- Design, develop and test large-scale ETL applications, integrating strategic thinking leadership into the Development Life Cycle Methodology, leveraging information to improve business processes using Informatica Power Center 9.x
- Data movement from various banks in USA like Bank of America, JPMC and Goldman Sachs containing the information about bonds, stocks and their related prices to Ameriprise internal cloud using Informatica, Shell Script
- Enhanced an existing application; upgraded issue resolution, and the ability to accurately locate ETL bottleneck, resulting in improved customer service and reduced resource hours per project.
- Translate business requirements for information/data content needs into actionable ETL source-to-target data mapping and business logic for extracting/transforming/loading source system data.
- Analyze and dissect source data for potential data quality issues, utilizing Informatica command-line tools and mappings to load Informatica binary session log files converted to XML format into database tables for analytic investigation of performance degradation.
- Proficient writing large SQL queries for various purposes like data validation, system integration testing, data analysis and query tuning.

Cognizant Technology & Wipro Technology, India **Software Engineer**

Nov 2010 – Mar 2014

- Led analysis, design, testing and development of data extract; transform, and load processes within an emerging enterprise data warehouse environment.
- Utilized Oracle exchange partition command to design a new load strategy to separate the build layer from the presentation layer with quick data movement.
- Jointly developed reusable, metadata driven PL/SQL package containing procedures for database object maintenance such as truncate table, disable index, enable index, analyze table.
- Created Korn shell scripts to download/upload and decrypt/encrypt flat files using SFTP.
- Production support for P1/P2/P3 and P4 incidents.