

Vivek Paradkar

Data/ETL Architect

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Summary

- Innovative Technology Leader, Data/ETL Architect with more than 15 years' experience in designing, developing, testing large scale data processing systems.
- Eager about learning and adopting new technologies and best practices into my daily workflow.
- Enjoy bringing new ideas and designing innovative solutions that solve business problems.
- Solution and delivery focused, with experience in leading teams throughout project life cycle from requirements gathering to Production deployment and maintenance.
- Data management expert knowledgeable across multiple areas including strategy, data architecture, data integration, data warehousing, data analytics, testing, metadata and data quality and data governance.
- Flexible and able to work well under pressure.

Technical Skills

ETL Tools Informatica PowerCenter Informatica Data Quality Informatica Big Data Management/Data Engineering Integration Informatica Intelligent Cloud Services	Languages and Frameworks Python 2.7 and 3.3 Java Scala Go C/C++
Cloud AWS Azure Snowflake Databricks	Databases Oracle Postgres GreenPlum Sybase ASE/IQ Vertica
Big Data Ecosystem Hive, HBase, Apache Presto Pig Apache Spark	Development Tools Git, BitBucket, GitHub VS Code, vi, Eclipse SQL Developer

Certifications

- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- SnowPro Core Certification
- Databricks Certified Associate Developer for Apache Spark 2.4 - Scala
- PCEP – Certified Entry-Level Python Programmer
- PCAP – Certified Associate in Python Programmer

Work Experience

Cognizant Technology Solutions	Data/ETL Architect Technology Specialist Associate Projects	June-2016 – Till Now May-2012 – June-2016 Feb-2010 – May-2012
Polaris Software Lab	Associate Consultant	Nov-2007 – Jan-2010
Tata Consultancy Services	Assistant System Engineer	Oct-2005 – Nov-2007

Projects Experience

TD Enterprise Data warehouse

Data/ETL Architect

Jan-2016 – Till Now

- Perform POC on Informatica BDM v10.1 to explore various features and limitations. Implement existing Powercenter mappings and give demo to customers on challenges and benefits of using Informatica BDM.
- Collaborated with business users to understand reporting needs and Design/Develop Datamart for better data governance, quality and performance.
- Designed and developed a generic framework in Python to load data from multiple source systems into Netezza using easy to use generic framework
- Designed and developed generic data normalization script in Python
- Designed, developed dynamic mappings in Informatica BDM to ingest data from different sources and load data into HDP.
- Designed and developed a set of generic scripts in Powershell and KSH to automate process execution, Code review, Metadata generation and Testing.
- Implemented near real time data ingestion from Salesforce and Splunk (using Splunk API) into Hive tables
- Designed, developed encryption at rest for Netezza tables for securing PII data.
- Designed and developed generic metadata driven ELT process to load and process data in Greenplum and Snowflake.
- Worked with Production support, Informatica admin team to design generic scripts to test data center migration.
- Peer review, Unit testing of ETL processes, Provided support of development and production support team in case of issues

T24 Self-Service Data Migration Tool

Architect/ Team Lead

Dec 2015 – Jan 2016

- Designed generic **self-service data migration tool** to migrate data from Legacy system to T24
- Lead a small team to develop a generic framework using Informatica, Oracle and Unix Shell scripts
- Collaborated with Front-End development team to integrate generic framework with UI to provide business users with easy-to-use self-service tool.

BMC Enterprise Data warehouse

Team Lead

May 2015 – Dec 2015

- Write technical specification for loading Fact and Dimension tables conforming to legacy CDW system
- Map the functional logic used in CDW to EDW data model
- Involved in gap analysis and requirement clarification with data modeling team
- Guide team to resolve any technical challenges faced during implementation
- Lead small size team to ensure delivery on time

Adaptive Reconciliation Engine

Team Lead

January 2015 – March 2015

- Design data model to store ARE metadata
- Generic unix script design for metadata driven processes
- Scheduler design using KSH, to create dynamic dependency between processes using Metadata
- Design reconciliation data model to cater to multiple domains.

SPG ETL Re-Engineering

Team Lead

August 2014 to December 2014

- Involved in Understanding and Analysis of various Business Specifications and Requirements.

- Design and development of ETL Applications and Independent Unit Testing of the Informatica processes.
- Designed UNIX Orchestration processes
- Contributed towards Estimation and effort tracking to aid the management of the application.
- Involved in Maintenance of Status/Issue Trackers and various other Project Documents.
- Data analysis and derivation of Business Logic and Data Flow for various Applications.
- Translated Business Requirements into Technical design Documents and Involved in System Integration testing and bug fixes

HFS Complex Recon

Team Lead/Developer

January 2014 to August 2014

- Involved in gathering requirement around ETL Processes
- Designed Feed acquisition/acknowledgment process
- Mentoring the team members when needed.
- Handling Team and assigning working to team members.
- Involved in code review and peer review.

Hybrid Reconciliation Framework

Team Lead/Developer

July 2012 to December 2013

- Involved in Design of High performance, Scalable and configurable UNIX Framework
- Involved in Design of High performance, scalable and configurable Data Model and Informatica
- Involved in requirement analysis with clients and communicating detailed requirements to Offshore
- Ensured that standards and processes are followed at every stage of the project and do periodic quality checks of code
- Involved in discussions with Client on Architectural changes or design changes
- Responsible for tuning code components for optimum performance
- Prepare the necessary documents like Analysis and design Document, Unit test Plan, Deployment Checklist, Design and Development of Informatica mappings and workflows, performing the Unit Testing
- Mentoring the team members when needed.

IB Reconciliation Engine

Application Developer

February 2010 to July 2012

- To gather the business requirement by interacting with onshore counterparts and convert the functional aspects into technical specifications using technologies involving database (Oracle), UNIX and ETL (Informatica)
- Involved in design, development of various reconciliations such KAPITAL, Commander, IBRisk, IE
- Involved in designing and finalizing Reconciliation Data Model
- Involved in requirement analysis and design of the reconciliation process
- Ensured that standards and processes are followed at every stage of the project and do periodic quality checks of code
- Responsible for tuning code components for optimum performance
- Prepare the necessary documents like Analysis and design Document, Unit test Plan, Deployment Checklist, Design and Development of Informatica mappings and workflows, performing the Unit Testing

Global Information Warehouse

Application Developer

November 2007 to January 2010

- Involved in Designing of ETL Processes, development of Technical Specification, Design Documents and Test Cases.
- Developed ETL Processes using Informatica 8.6.
- Used Joiner, Sorter, Rank, Normalizer, Update Strategy, Lookup(Connected/Unconnected and Cached/Uncached), SQL (8.6), Aggregator, Router, Stored Procedure, Source Qualifier Transforms in Informatica.
- Involved in Performance tuning of Informatica Sessions.
- Develop Wrapper scripts for calling Ab Initio graphs.
- Used Cron and Autosys job schedulers to schedule various scripts.
- Developed Procedures and Functions in Oracle 9i.
- Involved in performance tuning of Oracle SQL, PLSQL.
- Used DBMS_APPLICATION_INFO Package to track critical queries for any bottlenecks in the application.

- Used Pipeline and deterministic functions to improve performance of complex SQL queries.
- Used DBMS_LOCK package to streamline the Logging operation of different Procedures/Functions into a single application level log file.

FNS B@ncs 24**Application Developer****October 2005 to November 2007**

- Exploring new ways of tuning the overall performance of the system (multi-streaming of jobs, table purging, restructuring codes) and confirm their feasibility
- Analyzing problem at different levels –application, code, sever, database and providing appropriate solution for the same.
- Interacting directly with clients and giving them real-time solutions
- Owning total responsibility for all production issues.
- Writing PL-SQL and UNIX shell scripts for defect analysis and fixes.
- Providing support to production issues needing immediate attention.
- Restructuring Batch execution scripts for performance tuning.
- Reviewing all enhancements to any component from performance point of view and if required change the approach note
- Providing technical assistance to my team members and other teams.
- User training and knowledge transfer activities.

Education

B.E Information Technology
Fr. CRIT, Mumbai University

July 2001 to May 2005