# Name: Venkata Ramana R

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# PROFESSIONAL SUMMARY:

* I have 4+ years of IT experience focusing on Data warehousing, Data modeling, Data integration, Data Migration, ETL process, and Business Intelligence.
* Strong experience with Informatica tools - Source Analyzer, Warehouse Designer, Mapping Designer, Mapplet Designer, Transformations Developer, Informatica Repository.
* Extensive knowledge of Software Development Lifecycle (SDLC) using Waterfall and agile methodologies.
* Facilitated Sprint planning, daily scrums, retrospectives, stakeholder meetings, and software demonstrations.
* Responsible for developing, support and maintenance for the ETL (Extract, Transform, and Load) processes using Informatica PowerCenter.
* Designed and developed complex mappings to move data from multiple sources into a common target area such as Data Marts and Data Warehouse using lookups, Source Qualifier, Router, Filter, Expression, Aggregators, Joiner, Normalizer, Sequence Generator, Update Strategies from varied transformation logics in Informatica.
* Experience using version control tools like Git Hub, Git Lab, and SVN.
* Adhered to Agile and Scrum methodologies for effective release management.
* Worked on the data warehouse product Amazon Redshift, a part of AWS.
* Extensively used ETL to transfer and extract data from source files (Flat files and DB2) and load the data into the target database.
* Experience with dimensional modeling using star schema and snowflake models.
* Proficient in crafting insightful visualizations using Power BI and Tableau, enabling effective data-driven decision-making through interactive dashboards and reports.
* Ability to meet deadlines and handle multiple tasks, decisive with strong leadership qualities, flexible in work schedules and possess good communication skills.
* Developed mappings/sessions using Informatica Power Center 8.6 for data loading.
* Created UNIX shell scripts to run the Informatica workflows and controlling the ETL flow.
* Created complex mappings that involved implementation of Business Logic to load data in to staging area.
* Strong with relational database design concepts.
* Monitor & troubleshoot batches and sessions for weekly and monthly extracts from various data sources across all platforms to the target database.
* Tuned the mappings by removing the Source/Target bottlenecks and Expressions to improve the throughput of the data loads.
* Used Autosys for scheduling various data cleansing scripts and loading processes; maintained the batch processes using UNIX Scripts.
* Extensive SQL querying for Data Analysis and wrote, executed, performance tuned SQL Queries for Data Analysis & Profiling. Extracted business rule and implemented business logic to extract and load SQL server using T-SQL.
* Analyzed the source system and involved in designing the ETL data load.
* extensively worked in developing ETL program for supporting Data Extraction, transformations and loading using Informatica Power Center.

# TECHNICAL SKILLS:

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| **Languages** | Java, Scala, SQL, PL/SQL, Python |
| **Web Technologies** | JEE (JDBC, JSP, SERVLET, JSF, JSTL), AJAX, JavaScript |
| **RDBMS** | Oracle 10g/11g, MySQL, SQL Server 2005/2008 R2, PostgreSQL, DB2, Teradata |
| **NoSQL Databases** | MongoDB, Cassandra |
| **Database Tools** | Sentry One, Idera, Precise, BIDS, DTA, SQL Profiler, PSSDIAG, SQL NEXUS, Net Backup DTS, MS Visio, SQL Loader, Import & Export (DTS), DTSXChange, SSRS, SSAS, SSIS, Erwin, Lite Speed, SQLCMD, Commvault |
| **Cloud Technologies** | AWS, AZURE |
| **App/Web Servers** | Apache Tomcat, WebLogic |
| **SOA** | Web services, SOAP, REST |
| **Frameworks** | Struts 2, Hibernate, Spring 3. x |
| **Version Control** | GIT, CVS, SVN |
| **IDEs** | Eclipse, Scala IDE, NetBeans, IntelliJ IDEA |
| **Operating Systems** | UNIX, Linux, Windows |

# PROFESSIONAL EXPERIENCE:

# Client: Abercrombie & Fitch OCT 2022 to Till Date

# Role: ETL DEVELOPER

# Responsibilities:

* Spearheaded the development of **AWS Glue ETL** environment from inception, deploying cloud formation templates, and scripting in Scala and Python for efficient data transformation and parquet file operations on S3.
* Implementing complex business rules by creating robust Mappings, Mapplets, Sessions and Workflows using Informatica Power Center.
* Involved in all phases of SDLC from requirement gathering, design, development, testing, Production, user training and support for production environment.
* Create new mapping designs using various tools in Informatica Designer like Source Analyzer, Warehouse Designer, Mapplet Designer and Mapping Designer.
* Develop the mappings using needed Transformations in Informatica tool according to technical specifications.
* Contributed significantly to cloud data migration using AWS, with a focus on seamless transition and optimal utilization of AWS services.
* Executed data migration to Snowflake utilizing **AWS S3** buckets, ensuring smooth and efficient transfer of data.
* Proficiently designed, analyzed, and optimized SQL scripts using **PySpark SQL**, emphasizing faster performance and streamlined data processing.
* Designed **NoSQL database schema** for the migration of legacy applications data store to Elasticsearch, demonstrating adaptability to modern data architectures.
* Implemented **AWS EMR** Data Processing cluster for seamless ingestion of on-premises data into S3 bucket, with a focus on efficient data handling.
* Scheduled and executed Ad-hoc jobs in AWS EMR, displaying proficiency in data transformation processes.
* Created **data pipelines** to ingest data from various sources including Devices, Apps, Survey data, **S3 Buckets, and databases** (**SAP Hana, MySQL, SQL Server, Amazon Redshift, PostgreSQL).**
* Extensively used SQL and PL/SQL to write Stored Procedures, Functions, Packages, Cursors, Triggers, Views, and Indexes in a distributed environment.
* Excellent expertise with different types of data load strategies and scenarios like Historical Dimensions, Surrogate keys, Summary facts, etc.,
* Monitored and managed Elastic MapReduce clusters through the AWS console, displaying expertise in cluster management.
* Developed **AWS Lambda** functions for real-time monitoring of EMR cluster status updates and job monitoring.
* Proficient in monitoring **CloudWatch** logs for EMR Bootstrap actions and Step logs, configuring and implementing AWS tools for effective monitoring.
* Expertise showcased in creating dynamic hierarchies within Power BI reports, employing diverse data visualizations such as Bar charts, Line charts, Pie charts, and forecast charts to convey insights effectively.

**Environment:** Amazon EMR, Informatica PowerCenter, Jupyter Notebook, Glue ETL, Oracle, Map Reduce, GIT, Linux, and Jira, PL/SQL, MS SQL Server.

**Client: Vignan Soft Tech, Hyderabad- INDIA Jan 2019 to May 2022**

**Role: ETL DEVELOPER**

**Responsibilities:**

• Working with business users and business analysts for requirements gathering and business analysis.

• Converted business requirements into high-level and low-level design.

• Designing and customizing data models for Data warehouse supporting data from multiple sources in real-time.

• Extracted data from different flat files, MS Excel, and MS Access and transformed the data based on user requirements using Informatica Power Center and loaded data into target, by scheduling the sessions.

• Created reusable mapplets and Transformations starting concurrent batch process in server and did backup, recovery, and tuning of sessions.

• Created sequential batches and concurrent batches for sessions.

• Developed PL/SQL procedures/packages to kick off the SQL Loader control files/procedures to load the data into Oracle.

• Worked with Memory cache for static and dynamic cache for the better throughput of sessions containing Rank, Lookup, Joiner, Sorter, and Aggregator transformations.

• Created SSIS Packages to extract data from Excel Files, and MS Access files using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Term extraction, Aggregate, Execute SQL Task, Data Flow Task, Execute Package Task etc to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and CSV files to data warehouse.

• Written SQL Scripts and PL/SQL Scripts to extract data from the Database and for Testing Purposes.

• Executing test scripts to verify actual results against expected results by using Power Connect for source (DB2) validation and Oracle for target validations.

• Stored reformatted data from relational, flat file, and XML files using Informatica.

• Implemented data cleansing for files using Informatica and Trillium.

• Done automation of file provisioning process using UNIX, Informatica mappings and Oracle utilities.

**Environment:** Power Center 8.6.1, Flat files, MS Excel Files, MS Access, SSIS 2008, Oracle, Erwin 7.3, Power Designer, MS SQL Server 2005/2000, PL/SQL, IBM DB2 8.0, Teradata, Mainframes, Perl, Unix scripting, Windows.

Education:

Qualification: MS (Computer Science) - University of Central Missouri – Missouri

Bachelor of Degree - Computer Science – Osmania University- Hyderabad(India)