ARAVINDAKSHAN KARUNAKARAN

Mobile: 9626164154

Email id: aravindoffcl@gmail.com

TECHNICAL EXPERIENCE SUMMARY

Have 5.5 years of IT experience in the field of (ETL/BI) Development/Enhancement /Business intelligence/Machine learning/Deep Learning using IBM DataStage (8.1/9.1/11.3), Teradata, Postgresql, Python, Tableau, UNIX Shell Scripting, Machine learning, Deep learning.

- ➢ Extensive experience in Tableau tools – Tableau Desktop, Tableau server.
- ➢ Extensive experience in Teradata – Teradata Utilities Mload,Fload,Bteq
- ➢ Having Good knowledge on Data warehousing, SQL and UNIX concepts. Worked on Teradata and Postgresql database
- ➢ Have strong exposure in Structured Query Language (SQL) and have Strong knowledge of Data Warehousing concepts
- ➢ Good knowledge and one year of project experience in data science and python libraries like Pandas, Numpy, scipy, scikit learn.
- ➢ Good understanding and knowledge in Machine learning concepts like KNN, Naïve Bayes, Logistic regression, Linear Regression, Support Vector Machine, Clustering Algorithms and Deep Learing Algorithms like Neural Networks ,CNN, RNN, LSTM, Tranformers, BERT, Attention mechanism.
- ➢ Efficiently & Single-handedly managed design , development, performance tuning and testing activities in areas related to Retail & Health care domain.
- ➢ Capable of learning any kind of tool in a very short period of time.
- ➢ An Effective communicator with excellent relationship & interpersonal skills. Strong analytical, problem solving and organizational abilities.
- ➢ Extensively involved with and performed numerous Knowledge Transfer to the novice resources
- ➢ Good knowledge in Data Warehousing, SQL, ETL, Business Intelligence tool ,Machine learning concepts.
- ➢ Always hungry for learning and like to do more challenging works
- ➢ Some of my strengths are Time management, Seeking for help without hesitation, Getting things done, Consistency, Listening, Self appreciation, Speaking out what is in my mind

Areas of Experience

Industries
Health care sector
Retail sector

RDBMS
Teradata
PostgreSQL

Data Visualization Tools

Tableau Desktop
10.3/18.3/20.2

ETL Tools

Datastage
Informatica

Other tools & technologies

Python
Unix scripting
Machine learning
Deep learning
Git
Jira

QUALIFICATION

COURSE OF STUDY	INSTITUTION	BOARD	YEAR OF PASSING	CGPA
BE EEE	Sri Krishna College Of Engineering & Technology (autonomous), Coimbatore.	Anna University, Chennai	2015	8.1

WORK EXPERIENCE SUMMARY

ORGANIZATION	ROLE	DURATION
Cognizant Technology & solution	ETL & BI Developer	May 2019 – Till now
Accenture Solutions private Limited	ETL & BI Developer	Oct 2015 – April 2019

WORK EXPERIENCE DETAILS

Project 1 #: Dun & Bradstreet — US (Retail)

A development project involves developing Reports using Tableau. These reports sources PostgreSQL. Tableau reports which involves dash boards and Story boards are developed using Tableau desktop fetches data from multiple sources like Postgresql and Excel sheets.

Tools & Environment: Tableau Desktop Tableau Server

Role & Responsibilities: BI developer

- o Responsible for creating tableau reports from multiple data sources such as Postgresql , Excel etc. using data blending
- o Responsible for creating interactive dashboards and Stories
- o Responsible for creating static outputs such as Excel , PDF and Image and Interactive outputs such as Tableau workbook (TWB) and Tableau packaged workbook to the user (TWBX)
- o Responsible for creating data source filters, Context filters, quick filters, Relevant Filters, Filters from the view
- o Used various options in Marks shelf like Color, Size, Detail, Label , Tool Tip etc. for creating reports

- o Responsible for creating hierarchies , groups , sets
- o Responsible for creating calculated fields ,table calculations and LOD
- o Responsible for creating parameters and used the parameters in filters , sets and calculations
- o Developed reports using live connection and extract connection
- o Responsible for creating cross tab reports, bar charts , stacked bar charts, forecast, trend lines, scatter plots, pie charts and line charts
- o Responsible for publishing Worksheets / dashboards to tableau server

- **Client interaction** – Interacted with the clients & business customers to understand the requirement. Worked in Estimating the Efforts Needed From Offshore for Development of Reports

- **Unit Testing** – Responsible for Performing Unit Testing on the reports Verifying whether the components developed are matched according to the requirements

- **Documentation -** Created Functional Design Documents, Tech Design Documents, Unit Testing Test Case Documents, Unit Testing Document etc.

Project 2 #: Independent Blue Cross — US (Healthcare)

A development project for a Leading Health Care Client. This project involves sourcing Customer details, provider details and sales details into the Teradata database and resourcing it for the reporting purposes.using Tableau. Tableau reports which involves dash boards and Story boards are developed using Tableau desktop fetches data from multiple sources like Teradata , Oracle and Excel sheets.

Tools & Environment: Tableau Desktop, Tableau Server and Teradata

Role & Responsibilities: ETL & BI Developer

- **ETL**

- o Develop the job workflow meeting the requirement and by following the standards
- o Develop UNIX scripts to download the files from remote server
- o Develop Load Scripts, M-Load scripts, RI Scripts and Fast load scripts
- o Develop Bteq script to pull data from database and generate files to send for different vendors using wrapper script
- o Develop Bteq scripts to handle the Type 2 CDC(Delta records).
- o Worked on performance tuning of queries
- o Worked on impact analysis.
- o Checking/correcting consistency of client standards followed in the development

- o Preparing unit test case documents and performed the unit testing covering different test scenarios
- o Preparing release documents and run books for testing and production support team
- o Fixing defects in the developed ETL / report by unit testing and also has worked closely with QA team during the testing phase and fixed bugs that were reported
- o Provide support for production support team during execution process and involved in verifying the migrated artifacts to provide sign off

- **Tableau**
  - o Responsible for creating tableau reports from multiple data sources such as Postgresql , Excel etc. using data blending
  - o Responsible for creating interactive dashboards and Stories
  - o Responsible for creating static outputs such as Excel , PDF and Image and Interactive outputs such as Tableau workbook (TWB) and Tableau packaged workbook to the user (TWBX)
  - o Responsible for creating data source filters, Context filters, quick filters, Relevant Filters, Filters from the view
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  - o Responsible for publishing Worksheets / dashboards to tableau server

Certifications

Applied AI
- ❖ Machine learning and Deep learning certification