 **Name: Krishna**

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**Experience Summary:**

* Having 9.7 years of experience in the areas of Application Development, Maintenance, Migration and Data Integration & Big Data Integration Projects.
* Experience in Designing and developing ETL/ELT pipelines on Microsoft

Azure and **Google Cloud Platforms**.

* Experience in building distributed applications on Hadoop/Spark Environment using Shell scripting, Python programming languages.
* Experience in working with DevOps Tools – GIT, Gerrit, Bit Bucket, Jenkins and Tonomi.
* Experience in working with Data Stage ETL Tool, UNIX and SQL/PL-SQL.
* Experience in coordinating with multiple teams, stakeholders, business users, data architects for smoother delivery of project.
* Experience in working with Google Cloud Services – **GCS, Big Query, Dataproc, Data fusion and Cloud Composer.**
* Designed and developed reusable frameworks – **Common File Transfer Framework, Feed Export Framework on Azure & GCP.**
* Good exposure to Oracle, DB2, SQL Server databases and MPP databases HP Vertica & Teradata.
* Self-exploring and Self Learning in new technologies/tools in Big Data Analytics domain.
* Strong communication skills of written, oral, interpersonal and presentation.

GCP Certification:

Google Cloud Professional Data Engineer

Awards & Appreciations:

* Received a Pat on Back appreciation from client for multiple times.
* Received “**Above & Beyond Award**” for the year 2018-2019.
* Received ”Eagle Award” for the year 2015 - 2016.

**Academic Profile:**

MCA, Master of Computer Application from JBICT.

**Work Profile:**

* Working as Tech Lead for Wipro Limited, Hyderabad since Nov 2020 to till date.
* Worked as Senior Software Engineer for Whisk Software Pvt Ltd, Hyderabad since Aug 2013 to Nov 2020.
* Worked at TCS as a Payroll of Clairvoyant Tech Soft Pvt ltd from Apr 2012 to July 2013.

**Technical Expertise:**

Below is a list of important software products and tools that I have worked on

ETL Tools : Data stage 8.1, 8.5 and 11.3.1

Big data Platforms : Horton works HDP & HP Vertica

Cloud Platforms : Microsoft Azure and GCP

Databases : Oracle 9i/10g/11g, DB2 and HP Vertica

Scripting : Python, Scala and Shell Scripting

Operating System : MS-Windows, UNIX, LINUX, AIX 5.3 and AIX 6.1

SSH Client : PUTTY, WinSCP, and MobaXterm

Job Scheduler : Control-M & Airflow

CI/CD Tools : Apache Maven, GIT/Gerrit & SVN, Jenkins and Tonomi

**Project Profiles:**

**Current Project:**

Project : **VoC(Voice Of Customer)**

Client **: HSBC**

Role : Tech Lead

Duration : Nov 2020 to till date

Technologies **:** Google Cloud Storage, Big Query, Dataflow,

Airflow, Data Proc, Python, Shell Script, Juniper, SQL Server,

Git/Gettit and CI/CD

**Responsibilities:**

* Requirement gathering by customer interaction and transforming the gathered requirement as per out system for its solutions and on boarding them in the product.
* Managing the task, guiding & resolving issues face by team.
* Implemented pipelines using Data flow and Juniper.
* Developed of complex Big Query SQL's with SCD2 implementations using Merge and Insert/Update Strategies.
* Implemented the code in such a way to understand by any resource within the project.
* Orchestrated pipeline jobs using Apache Nifi/Airflow/Google Composer/
* Co-ordinate with multiple teams, stakeholders, business users, data architects for smoother delivery project.
* Created CR and SNOW requests to deploy the code from lower to higher environment.
* Raised MFT requests to place the files in the server.
* Performed Branching, Tagging, Release activities on Version control tools like Bit bucket and GIT.
* Participated in retrospective meetings and given some advises about data modeling, data definition ect.
* Actively engaging customer on upcoming development activities and make them confirmable with our POC's to build.
* Performed code reviews.

Project : **MKT Loyalty – GCP Migration**

Client **: Kohls**

Role : Sr. Software Engineer

Duration : May 2019 to Nov 2020

Technologies **:** Google Cloud Storage, Big Query, Dataflow, Data fusion,

Airflow, Data Proc, Python, Shell Script, Spark, Jenkins,

Git/Gettit , Terraform and Tonomi

**Responsibilities:**

* Understanding all given Business requirement and building a scope for Migration from on-premises EDW to GCP.
* Developed Framework in Python for Dynamically generate ETL Pipelines (DAGs) with

Necessary dependencies in Airflow.

* Implemented Disaster recovery (DR) steps to the pipelines.
* Development of Complex Big Query SQL’s with SCD2 implementations using Merge and Insert/Update Strategies.
* Applied Performance tuning techniques in Big Query to minimize the scan and improve query execution speed.
* Involved in Design Discussions, Logical Problem Solving and Suggesting Optimized

Approaches & Innovative Methods.

* Develop POC’s on new Tool Stacks and Design Frameworks which are reusable across

Organization.

* Perform Code Reviews, Technical Training s and Demo’s.
* Providing Estimations, Mentoring Teams Technically and Providing Help wherever required.

Project : **Adobe Digital Analytics & MAS – Migration to GCP**

Role : Sr. Software Engineer

Duration : Apr 2018 to May 2019

Client **: Macy’s Inc**

Technologies **:** Info works Ingestion Tool, Google Cloud Storage, Big Query,

Cloud Composer, Data Proc, Python, Shell Script and Spark

**Responsibilities:**

* Responsible in coordinating with various teams such as SA/DA teams , Managers ,

Admins, Stakeholders and business users.

* Understanding the requirements from SA/DA’s and create Design Architecture and Dataflow architecture.
* Did multiple POCs on Big Query, Cloud Composer and Google Cloud Stories.
* Created DAGs to fetch the data from sql files and loads into BQ tables.
* Used Info works Ingestion Tool to perform File (or) DB Ingestions on to GCP.
* During migration, needed to do detailed analysis on decommissioning the processes that were pointing to Old Clickstream tables and also pointing them to new adobe tables.
* Written Common Framework module for feed generations on to GCS.

Project : **Adobe Digital Analytics – Azure**

Role : Sr. Software Engineer

Duration : Sep 2017 to Apr 2018

Client **: Macy’s Inc**

Technologies : Azure HDInsight 3.6, Horton works Distribution (HDP 2.6.2),

Spark, Hive, Shell Scripting, ELK Stack and Python.

**Responsibilities:**

* Understanding the requirements from SA/DA’s and create Design Architecture and Dataflow architecture.
* Creating the elastic search config files for loading the data to Azure DL.
* Export and Import data into HDFS and Hive using ES config files in Azure.
* Raised the service now requests for place the files into Ingestion Zone.
* Worked closely with the business and analytics team in gathering the system requirements.
* Involved in complete end to end code deployment process in Production.
* Involved in Daily status calls with the On-Shore team.

Project : **ICP – Internal Customer Preference**

Role : Sr. Software Engineer

Duration : Feb 2017 to Sep 2017

Client **: Macy’s Inc**

Environment : Azure HDInsight 3.6, Horton works Distribution (HDP 2.6.2),

Spark, Hive, Shell Scripting, ELK Stack and Python

**Responsibilities:**

* Involved in Requirement Analysis, Design, and Development.
* Creating the elastic search config files for loading the data to Azure DL.
* Export and Import data into HDFS and Hive using ES config files in Azure.
* Raised the service now requests for place the files into Ingestion Zone.
* Load the data into Raw, Trusted and Refined Zones by using ES config files.
* Involved in creating Hive tables, loading with data and writing Hive queries.
* Worked closely with the business and analytics team in gathering the system requirements.
* Load and transform large sets of structured and semi structured data.
* Involved in complete end to end code deployment process in Production.
* Used SFTP to transfer and receive the files from various upstream and downstream systems.
* Involved in Daily status calls with the On-Shore team.

Project  **: IDM FASTTRACK**

Role : **ETL Developer** / **Hadoop Developer**

Duration : Dec 2015 to Jan 2017

Client **: Macy’s Inc**

Environment : Data Stage 11.3.1, DB2, Hortonworks Hadoop(HDP), Unix, Scala, Hive.

And Python

**Responsibilities:**

* Involved in extraction of data from multiple sources i.e. Oracle, SQL Server, DB2, Teradata and Excel spread sheets through Data stage.
* Developed several jobs to improve performance by reducing runtime using different partitioning techniques.
* Wrote UNIX shell and Python scripts according to the business requirements.
* Wrote and implemented the python scripts for loading the data from stage to landing place.
* Written Hive queries for data analysis to meet the business requirements.
* Designed adhoc processes for Hadoop to implement the scrub model.
* Implemented the Common AUDIT process which will automate the trends (record count) of the tables in IDM.
* Importing and exporting data using sqoop from HDFS/Hive to Relational Database System and vice-versa.
* Involved to implement the initial and incremental loading of the data.
* Involved in Daily status calls with the On-Shore team.
* Testing Jobs with Unit test Plan and prepared test result documents, technical design documents.
* Involved in deployment phase of the project by raising RE Tickets, Control-M requests, Database requests and Creation of packages and code check-in.
* Conducting the code review with team members.

Project : **Real Time Offers (RTO)**

Role : **ETL Developer**

Duration : Aug 2013 to Dec 2015

Client **: Macy’s Inc**

Environment : Data Stage 8.5, DB2, Oracle, UNIX, Shell script, python and Control-M.

**Responsibilities:**

* Involved in Requirement Analysis, Design, and Development.
* Resolved the issues occurred in SIT phase.
* Created job parameters based on the requirements.
* Wrote UNIX shell and Python scripts according to the business requirements.
* Prepared all the implementation documents, get them approved on time and re-submit them to accommodate the review comments, if any.
* Worked on Internal tools like(PDFM – Partner Data Feed Manager) to synchronize the data that is being generated through Data stage as feeds for vendors like GOOGLE, BING, FACEBOOK, LINKSHARE, EBAY, MARIN etc.
* Prepare RE which contains all the code packages as part of Deployment Activities.
* Support complete Implementation phase of the project
* Actively involved in UAT runs.

Project : **SBI Enterprise Data Warehouse**

Role : **ETL Developer**

Duration : Apr 2012 to July 2013

Client **: SBI**

Environment : Data Stage 8.1, Oracle, DB2 & Flat Files, UNIX and Windows 7

**Responsibilities:**

* Extensively used Processing Stages- Join, Funnel, Filter, Aggregator, Sort, Pivot Enterprise, Transformer and Lookup. File Stages- Dataset, Sequential File. Database Stages-Oracle Connector, DB2 Connector.
* Worked with Data Stage Director to schedule, monitor, analyze performance of individual stages and run Data Stage jobs.
* Involved to implement the initial and incremental loading of the data.
* Performed Tuning of Data Stage Jobs for better performance.
* Data Stage jobs were scheduled, monitored, performance of individual stages was analyzed and multiple instances of a job were run using Data Stage Director.
* Created source to target mappings as per ETL specifications
* Debug, test and fix the transformation logic applied in the parallel jobs.
* Reviewing the jobs which are developed by peers.
* Created job parameters based on the requirements.
* Involved in Unit test case for each job and maintained the test cases.