

MANI KAMAL REDDY GEE REDDY

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TECHNICAL SUMMARY

- 4+ years of working experience in corporate environment as a data engineer in the sector of data collection, data analytics and ETL Tools.
- Developed and managed pipelines for Apple Maps data in both production and development environments.
- Proficient in Informatica PowerCenter for advanced ETL processes, data integration, and data warehousing solutions. Experienced in creating, testing, and optimizing complex workflows and mappings.
- Professionalized in handling large amount of datasets across distributed cloud platforms like GCP, AWS, Cloudera and Hortonworks.
- Proficient in using version control softwares Git for source code management, branching, merging, and collaborating with teams on software development projects.
- Managed the collection, stitching, and deployment of raw map data edited by editors using a Hadoop cluster.
- Automated pipeline schedules with Python and troubleshooted Hadoop-related issues across multiple clusters.
- Performed regular data purging and maintenance tasks on gateway nodes.
- Installed and configured a Cloudera Cluster of 3000 nodes on a CentOS platform.
- Implemented TLS/SSL encryption and Kerberos-based authentication for cluster security.
- Developed Bash scripts for Cloudera Cluster configuration automation.
- Managed data migration using Cloudera API and Python, addressing daily operational issues including node and zookeeper management.
- Handled commissioning and decommissioning of nodes and executed high-priority queries in Cloudera Manager.
- Hands on experience on data visualization tools like Tableau, PowerBI, along with Geospatial Analytics tool ArcGIS.
- Professionally collaboration with teammates on distributed agile modal globally on solving problems.
- Able to work on different shifts around the clock to meet the requirements. And have a good problem management skills and leadership skills. Proficient in using Slack, Microsoft 365, Teams, Jira, SharePoint, Confluence.

PROFESSIONAL EXPERIENCE

Data Operations Engineer, Techsophy Information Solutions Pvt. Ltd., Hyderabad, India

Aug 2021 - Aug 2022

- Worked as data operations engineer for Apple.Inc.
- Building pipeline for apple maps data in environments like PROD and DEV.
- Collecting raw maps data edited by the editors and stitching apple maps data running pipeline on Hadoop cluster.
- The procedure is to deploy the changes to maps by running the release control train with suitable configurations, then test the services in the arches tool.
- Automating the pipeline schedules using python.
- Troubleshooting Hadoop related issues for the pipelines running on multiple clusters.
- Connecting to gateway nodes and clearing the old data by purging the data over the clusters on weekly bases.

Hadoop Administrator, Modak Analytics LLP., Hyderabad, India

May 2018 - July 2021

- Installation and configuring the Cloudera Cluster with 3000 Nodes on Centos Platform.
- Establishing TLS and SSL encryption among the hosts.
- Established Kerberos Based authentication to the Cluster.
- Worked as a Hadoop Administrator as 2 L2 Support.
- Bash Script to automate configuration of Cloudera Cluster.
- Automated process of installing and configuring the
- Data Migration Script among nodes and hosts using Cloudera API in python.
- Handling day to day issues like swap memory issues, Node heartbeat dead issues, Zookeeper down and also high priority issues like name node down.
- Adding mount points, Commissioning and decommissioning of nodes to the cluster. Running the high priority queries in Cloudera manager.

ACADEMIC PROJECTS

Projects in University of North Texas

- Developed an all-inclusive dashboard for the analysis of Netflix User Data Dashboard using Tableau.
- Developed an application to identify the irregularities in DNA using Next Gen Sequencing Module in Python.
- Build a Hadoop cluster in GCP.

TECHNICAL SKILLS

Programming Languages: C, SQL, Python, Advanced Java, Shell Scripting, Linux Administration.

Tools: Hadoop Big Data Ecosystem(MapReduce, HDFS, HBase, Zookeeper, Hive), Elastic search, Cloudera Administration, Amazon ERW, Azure HDInsights,

Visualization Tools: Tableau, Microsoft Excel, Python Libraries (Matplotlib, Seaborn)

Databases: PostgreSQL, Microsoft SQL Server.

Operating Systems: Windows, Mac OS, Linux.

EDUCATION

University of North Texas, Denton, USA

Aug 2022 - Dec 2023

Candidate for Master of Science in Advance Data Analytics

Relevant courses: Foundations for Data Analytics, Harvesting, Storing and Retrieving the data, Computation and Visualization for Analytics.

Vardhaman College of Engineering, Hyderabad, India

Sep 2014 - May 2018

Bachelor of Technology in Computer Science and Engineering

ACCOMPLISHMENTS

- Participated in Hackathon conducted by Microsoft on Visual Studio.
- Won Chess Competition at school level and College level.
- Member of ToastMaster Club.
- Merit Certificate from Techfest held at Vardhaman College of Engineering.