Nanchari

[GitHub](https://github.com/nnanchari) | Bay Area, CA

# PROFILE SUMMARY

Data Engineer with over 12 years of work experience in Data Warehouse, Integration and Operational Data source using ETL and Orchestration tools. Designed, developed, implemented and maintained data pipelines to keep Data Operations seamless. Comprehensive knowledge in data cleansing, data manipulation and process improvement with exceptional analytical and troubleshooting skills.

# SKILLS & INTERESTS

* **Skills**: Proficient in SQL and python ETL Tool - Informatica Power Center

Cloud computing services- GCP, AWS and Azure

Big Data - Spark, Hive and Presto

Workflow Orchestration - Airflow and Dataswarm(Meta’s Proprietary tool) Cloud data platforms - Databricks and Snowflake

Languages - SQL, PL/SQL, Unix Shell scripts and Python Databases - Oracle, MS SQL server and Postgres Reporting Tools - Tableau and Unidash

* **Interests:** Running, Chess and Badminton

# WORK EXPERIENCE

Amazon AWS Aug’ 2023 to Till date

Data Engineer Remote

Lead a project to build an Analytics platform to track the User engagement in Digital Audits Symposium (DAS). DAS is a self-service audit platform. It’s the starting point of a transformation into a full digital compliance experience for our customers. Since Digital audits makes it easier for customers to gain the assurance, they need to run regulated workloads on the cloud, enables AWS to scale audit delivery, service team time by leveraging presentations across multiple customers

* + Analyze user experience and make the platform more user friendly and identify the bottlenecks to reduce the user friction with the platform.
	+ Store the user engagement data from Kaltura API calls in S3 and build pipelines to load the data model for analysis
	+ AWS Lambda: Apply business logic required to analyze the user engagement data and store that in S3 and load to Analytics table
	+ AWS Redshift: Database used for data storage and analysis.
	+ Tableau: Used as Visualization tool and develop Dashboards

Wells Fargo Mar’ 2023 to Aug’ 2023

Data Engineer Fremont, CA

* + Lead moderately complex initiatives and deliverables within technical domain environments
	+ Collaborate with source system and approved provisioning point (APP) teams, Architects, Data Analysts and Modelers to build scalable and performant data solutions.
	+ Design, code, test, debug, and document for projects and programs associated with technology domain, including upgrades and deployments
	+ Involved in Migrating Objects from Teradata to Snowflake and created Snow pipe for continuous data load
	+ Analyzed the SQL scripts and designed the solution to implement using Pyspark
	+ Review technical challenges that require an in-depth evaluation of technologies and procedures
	+ Effectively work in hybrid environment where legacy ETL and Data Warehouse applications and new big-data applications co-exist
	+ Resolve complex issues and lead a team to meet existing client needs or potential new clients needs while leveraging solid understanding of the function, policies, procedures, or compliance requirements
	+ Work with DBAs in Enterprise Database Management group to troubleshoot problems and optimize performance
	+ Lead projects and act as an escalation point, provide guidance and direction to junior engineers

Meta (Formerly Facebook) Aug’2021 to Jan 2023

Data Engineer Menlo Park, CA

* + Design, develop, integrate and maintain datasets and data models, dashboards, queries and reports based on an understanding of end user’s goals and objectives.
	+ Partner with product/service and business teams to identify new opportunities requiring the use of big data solutions, data visualization and other types of distributed data processing.
	+ Build complex data pipelines using sql and python in Dataswarm
	+ Use data warehouse queries, distributed data processing programming models and Python to build data tools/resources on large, unstructured and structured data sources.
	+ Build visualizations to provide insights into the data and metrics generated.
	+ Define, monitor and evaluate key metrics seeking to understand and articulate what will move those metrics towards a desired outcome.
	+ Network with key internal and external contacts and uses persuasion in delivering messages, mostly within own area of expertise and sometimes outside

AAA NCNU May’2012 to July ’2021

Data Engineer Walnut Creek, CA

AAA has diverse lines of business, offering a wide array of automotive, travel, insurance and membership services like ERS, member discounts, travel services etc. in Northern California, Nevada, Utah, Arizona and Mountain West.

* + Analyze requirements, design, develop and implement data warehouse solution to meet the business and project’s requirements
	+ Model physical, logical, business and dimensional models to support Data warehouse, and Reporting systems
	+ Work closely with Data Analysts and Product owners to gather functional specifications and turn them into technical specifications
	+ Develop a robust, highly performant data pipeline including data ingestion, transformation, aggregation, and storage of data for analysis and modeling
	+ Actively involved in migration of Data Warehouse from on premise to GCP
	+ Proficient in developing DAGs/workflows using Sql and programming/scripting languages such as Python
	+ Worked in the full software development life cycle of Data warehouse building process including Data Modeling, Dimensional Modeling, ETL and Migration, primarily using Informatica Power Center and Apache Airflow
	+ Implement industry best practices by creating high performance and highly scalable designs
	+ Summarize and clearly communicate Data analysis assumptions and results
	+ Troubleshoot critical defects and tune various applications to improve the performance

# Projects:

* Google Cloud Platform

✔ Migrating company’s Data Warehouse to Google Cloud platform

✔ Building DAG’s in Airflow using Python and SQL to load data from various source systems such as Oracle and SQL Server to Big Query

* Connect Suite Project

✔ Data conversion from Salesforce to Connect Suite, a homegrown CRM

✔ Worked on Integration of Membership and Payment data

✔ Created Branch and Employee Assignment in Connect suite, sourcing data from HR/Workday

* New Business Test Project

✔ Created ETL processes to implement New Business Test/Rule for Compensation, in order to identify true issue transactions and compensate P&C, Life and Travel agents commission accurately

The Hartford, Jun’2011 to Apr’2012

ETL Informatica Developer Simsbury, CT

The Hartford is a fortune 500 company and one of America’s largest investment companies. It is a leading provider of life insurance, group and employee benefits, automobile and homeowners insurance.

* + Designed and developed mappings using the Informatica transformations such as Joiner, Aggregator, Expression, Lookup, Router, Filter, and Mapplets to load data from various source sources systems into the target
	+ Created packages and stored procedures for balancing and error handling
	+ Documented user requirements, translated requirements into system solutions and develop implementation plan to schedule
	+ Extensively worked on developing the Unix shell scripts and JIL scripts for Autosys jobs
	+ Worked on various applications like Ultra Edit, Telnet, putty, Autosys and Toad
	+ Actively involved from the end to end cycle and have been part of every aspect of the project, development – QA- Production – Maintenance

# EDUCATION

**University of Central Missouri** Warrensburg, Missouri

Masters in Industrial Technology 2009-2010

**Jawaharlal Nehru Technological University** Hyderabad, India Bachelors in Mechanical Engineering 2004-2008