**Sarath Chakka**

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SUMMARY

14 years of IT experience in software Analysis, Design, Development, Testing, Implementation and production Support of various Client/Server and Web based applications. Has strong hands-on experience in Big Data, Hive, Pig, Kubernetes and ETL tool Informatica power center, Informatica cloud using salesforce for customer data and data modeling, data warehousing, Inman and Kimball methodologies, ETL data Integration, Excellent interpersonal and mentoring skills. Well versed in reliability theory with hands on experience in performing reliability engineering for complex systems

* Expert level on Informatica Administration and Informatica cloud services
* Building ETL data pipeline on Hadoop/Teradata using Hadoop/Pig/Hive/UDFs
* Tracking data (data at Minutes/Hourly/Daily level):
* Supporting data pipeline LinkedIn.com-->Kafka--> Gobblin-->Hadoop (Computation layer) and Teradata
* Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.
* Hands on experience in Data modeling and Dimensional modeling using Kimball methodologies.
* Exposure to Full Lifecycle (SDLC) of Data Warehouse projects including Dimensional Data Modeling
* Well versed with the data warehousing concepts Star schema, Snowflake star schema. Proven Technical and Business Documentation experience with large proposals. Strong time management and project coordination skills with simultaneous projects.
* Comprehensive knowledge of system engineering, reliability life-cycle management, and reliability modelling

EMPLOYMENT

**Lead Data Engineer LinkedIn Nov 14 – Till Date**

* Hands-on experience developing ETL’s using Informatica Cloud Services (ICS) and third-party data connectors (i.e. Salesforce, Zuora, Oracle EBS etc.) and Change data capture
* Export/Import data from Teradata to Hive/HDFS using Sqoop and the Hortonworks Connector for Teradata
* Open to learning and using new systems involved in Python Programming
* Hands-on experience on predictive and mining tool Rapid Minor Studio for analysis and preparation of custom business deployment
* Kafka producer API and consumer API configuration, upgrading, rolling upgrade, Topic level Configs, Kafka connect configs, stream configs, consumer rebalancing, operations, replication, message delivery semantics, end –to – end batch compression etc.
* Hands-on experience with Informatica power center and power exchange in integrating with different applications and relational databases
* AWS CI/CD Data pipeline and AWS Data Lake using EC2, AWS Glue, AWS Lambda.
* Building ETL data pipeline on Hadoop/Teradata using Hadoop/Pig/Hive/UDFs
* Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.
* Expertise in implementing DevOps culture through CI/CD tools like Repos, Code Deploy, Code Pipeline, GitHub, and configuration management tools like Puppet. Had set up staging and production environments for CI workflow.
* File Type on Hadoop: Avro (Schema evolution) and ORC (good performance- Adhoc analysis Analytics queries) and LinkedIn's DALI Storage (Presto Database)

**Sr. Consultant JM Family Enterprises, Inc. Apr 13 – Nov 14**

* Developed various ETL flows using Informatica power center and power exchange: Salesforce to oracle (continues data capture) and oracle to Salesforce using external ids, ODS to db2 etc...
* As SFDC consultant used Informatica for cross application integration requirements. Mapping complex data structures, setting up understandable and reliable business rules.
* Functional requirements gathering from Operational & Business Users and translate the Functional requirements to Technical requirements & specifications.
* Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.

**Senior Engineer Amazon.com Sept 12 – Apr 13**

* Participating in the call of Business Requirements Designs from clients and work with Architecture/RAD team for shaping out the Design of ETL tasks lists.
* Created continuous integration and continuous delivery (CI/CD) pipeline on AWS that helps to automate steps in software delivery process
* Hands-on experience developing ETL’s using Informatica Cloud Services (ICS)
* Hands-on experience with Informatica power center and power exchange in integrating with different applications and relational databases
* Created AWS Code Pipeline, a service that builds, tests, and deploys code every time there is a code change, based on the release process models
* Created pipeline that uses AWS Code Deploy to deploy applications from an Amazon S3 bucket and AWS Code Commit repository to Amazon EC2 instances running Amazon Linux.
* Data analysis and maintenance of production data
* Worked on Auto Scaling, Cloud Watch (monitoring), AWS Elastic Beanstalk (app deployments), AWS S3 (storage) and AWS EBS (persistent disk storage)

**Senior Engineer Verizon Communications Inc. Aug 06 – Aug 12**

* High Level Design (HLD) which comprises of Data Modeling, Design, Data Validation anomalies
* Experience with Performance Tuning for Oracle RDBMS using Explain Plan and HINTS
* Logical/Physical Design of the databases.
* Resolving issues like Loops, Fan Traps & Chasm Traps by creating Aliases and Contexts as required in removing the cyclic dependencies and testing them to ensure that correct results are retrieved.
* Tuning the queries to improve the Performance of the existing Reports for various functional areas.
* Tested the aggregate awareness to ensure the query is pulling correct level of aggregation.

**Senior Engineer Moody’s Investors Services Dec 05 – Aug 06**

* Developed framework for ETL workflows.
* Created necessary RDBMS model and table structures for sourcing customer profile information based on geography, nature, asset classes and credit ratings.
* Data analysis and maintenance of production data
* Designing ETL strategies for load balance, exception handling and design processes that can satisfy high data volumes. Had setup new servers and laid out a migration plan

**Consultant HDFC Banking Services Apr 04 – Dec 05**

* Identification of the technical principles derived from the functional principles previously identified, and the implications of those Principles, with any obstacle and related actions identified, to remedy the constraints.
* Developed Complex database objects like Stored Procedures, Functions, Packages and Triggers using SQL and PL/SQL

**Environments**

RHEL 4/5/6, Centos, Informatica, CDC, Oracle, SQL server, Teradata (Fast Load, MLoad, BTEQ), XML, SQL/PLSQL, T-SQL, TDD, Erwin, shell scripting, Informatica Cloud Services, aws glue, aws lambda, Big Data, HDFS, Pig, Hive, sqoop, Agile,AWS, Jenkins, Git, Docker, Kubernetes, Hadoop, Puppet, Jira, Python, Kafka.

**Education:**

Bachelors of Engineering in Computer Science from JNT University completed in 2004

**ADDITIONAL EXPERIENCE AND AWARDS:**

Has received “SPOT” award & “YOU DESERVE” award at Verizon Communication Inc., for exceeding the expectations in application teams.