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| NARASIMHA |  |

**>PROFESSIONAL SUMMARY**

* Visionary technology expert with a successful track record of large-scale technology implementations, serving in key positions such as Lead Big Data Architect, Technology consultant in multiple large and complex enterprise programs with a passion for architecting and designing highly scalable, reusable, extensible and easily maintainable solutions.

**>LANGUAGES AND TECHNOLOGIES**

* **Proficient:** Java, Python, C++, Spark, Hive, Hadoop, Hadoop, Presto/Trino, Apache Airflow, Apache Kafka, Azure SQL DB/DW, Azure Data Factory, COSMOs, Oracle, MySQL, GitHub, Springboot, Avro, Parquet, Linux, XML/XSLT, Azure Functions, Serverless Architecture, Microservices, Azure Stream Analytics, Azure Kubernetes service, Amazon Web Services (AWS)
* **Exposure:** Scala, Objective C, .NET, C#, JavaScript, jQuery, HTML5, CSS3, Google Cloud Platform (GCP), Rational Build, Power BI, Informatica, Microsoft Azure

**>PROFESSIONAL EXPERIENCE**

**Kaiser Permanente** **| Big Data Architect | Pleasanton, CA** 2014 - Present

* Saved the company over $9 million in man hours by architecting an ingestion framework with full and incremental data capabilities utilizing Apache **NiFi, Python, Java and Kafka**.
* Led a team of 12 engineers on technical implementation to build cloud analytics platform **on Azure, HDInsight, Databricks, Apache Spark, HIVE, Apache Airflow, and Trino**.
* Reduced patient data processing time by 75% by moving data processing logic from traditional Oracle and Teradata DB platforms to Big Data Hadoop ecosystem.
* Constructed end-to-end big data pipeline with **Java and Kafka which utilized Oracle GoldenGate** to enable change data capture (CDC) implementation in real time.
* Developed big data pipeline to gather insight from 15,000,000 HL7 messages daily by implementing data connector and HL7 Parser modules **using Java, Apache Spark, Apache Kafka and Avro.**
* Migrated Teradata processing logic onto big data Hadoop platform for 90% improvement in SLAs by creating Hive and Spark SQL compatible database queries.
* Collaborated with technology and business teams on Data Governance, Data Quality and Data Architecture initiatives.
* Collaborated with over 7 senior members of engineers’ team to carry out various PoC and PoTs for data driven project needs like security, Data governance, data tagging, etc.

**Intuit** **| Big Data - Hadoop Consultant | Menlo Park, CA** 2014 - 2014

* Enabled business to generate reports in real-time and achieve 200% improvement in SLAs by migrating entire data warehousing implementation from Oracle to Hadoop platform using SQOOP, Python and Java.
* Automated data ingestion/egression and refinement process by building easy-to-use workflows with Spark, Python, Unix and Oozie.
* Designed and architected data extraction pipeline from new data sources (ex. Yahoo, Google, AdLens, DoubleClick) which saved the company ~$400,000 annually in man power by eliminating redundant processes.
* Designed Monitoring framework with Python and Java which allowed for real-time dashboard development.

**Fidelity Investments** **| Lead Software Engineer | Bangalore, IND** 2006 - 2014

* Engineered intranet systems which supported the selling, implementation and management of corporate 401k plans using ASP.Net and C# that were able to interface with legacy **COM/DCOM (C++)** components.
* Created complex web services utilizing JAX-RPC to improve SLAs of given work orders by over 400% while catering to 2 million requests monthly.
* Reduced 1-month long document generation process into 1 day (~97% improvement) by automating template generation process with **Oracle BI publisher** and integrating it into custom built Intranet application.

**>EDUCATION & CERTIFICATION**

**Master of Science in Computer Science,** *Manipal University*

**Certified Big Data Hadoop Professional,** *Cloudera University*

**Certified Hadoop/HBase Professional,** *Cloudera University*

**Certified System Architect (CSA)**, *BPM Solutions, Pega Systems*

**>RECENT PROJECTS**

**Marketo data integration | Principal Data Engineer** 2021/22

* Designed data model to host enterprise profile & preferences data in Azure Cloud DB.
* Architected end-to-end data pipeline to exchange data between Kaiser and Marketo cloud platforms.
* Implemented Microservices and deployed to Azure Kubernetes (AKS) using CI/CD tools like Jenkins.
* Architected meta store driven solution to maintain the incremental ingestion status.
* Implemented reusable ETL pipelines to transform the data using Azure Data Factory.

**Insight Driven Realtime data integration with Mobile Platform | Principal Data Engineer** 2021/22

* Created reusable NiFi data pipeline to extract data from Message queues and transfer to Azure ADLS
* Created Jason Parser to transform data and load to Kafka topics by using reusable micro services.
* Executed proof of concept in AWS EC2 and VPC to test the possibility of Active-Active replication and Failover Strategies across multiple Hadoop clusters to enable disaster recovery.

**Data Ingestion framework for heterogeneous sources | Principal Architect** 2020/21

* Architected end-to-end solution to ingest data from various source like databases, Flat files, SFTP, APIs, etc. to HIVE, ADLS and Synapse Analytics using Java Microservices, NiFi, Kafka, and Python.
* Implemented reusable data pipelines for data quality checks using NiFi and Python that resulted in 90% savings in man power.
* Implemented Airflow DAGs to orchestrate various jobs for data transformation purposes.
* Executed proof of concept in AWS EC2 and VPC to test the possibility of Active-Active replication and Failover Strategies across multiple Hadoop clusters to enable disaster recovery.

**Replication of GoldenGate redo logs | Software Engineer** 2019/20

* Executed proof of concept to replicate redo logs from Oracle to HIVE by creating replicate processes and integrating with Kafka.
* Tested multi-table extraction process by pumping and replicating large data tables.

**>LEADERSHIP + AWARDS**

**Achievement in Excellence,** *Kaiser Permanente* 2022

**“On the Sport Award” (X5),** *Fidelity Investments* 2006 - 2014