**Sunil Kumar Veldurthi**

Mobile: +91-7795660412

E-Mail: [sunilveldurthi@gmail.com](mailto:sunilveldurthi@gmail.com)

LinkedIn : <https://www.linkedin.com/in/sunil-kumar-veldurthi-3744067b/>

### Experience Summary

* 11+ years of IT experience with hands-on into Azure - Big Data Technologies **Microsoft Azure , Hadoop & Spark using Scala/Python and Java Based application using the Java/J2EE technologies.**
* Lead the technical planning, designing, coding and testing for Data Lake implementation in Azure Data Lake store(ADLS) using various Azure Cloud Services.
* Experience in developing Big Data Eco System & Spark solution implementation (**HDFS, Hive, Spark, Spark Streaming, Scala, Python, Sqoop, Oozie, CosmosDB)**.
* Experience in Azure Big Data Cloud Platform (**ADLS, Blob Storage, Azure HDInsight, Aure Key Vault, Azure Event Hub, Azure Data Bricks, Azure Function App, Azure Logic App Azure Data Factory, Azure data explorer )**
* Experience in creating ETL pipelines and schedules in ADF (Azure Data Factory)
* 5+ years of experience in analysis, design, development and supporting the applications using **Java, J2ee, Struts, spring, and Hibernate.**
* Experience in Integration of Both Streaming and Batch data to Big data platforms.
* Experience in migrating the data using SQOOP from HDFS to Relational Database System and vice versa

### Technology

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| --- | --- |
| Spark Ecosystem | **Spark-Core, Spark-SQL, Spark-Structured Streaming** |
| Azure Cloud | **ADLS, Blob Storage, Azure HDInsight, Aure Key Vault, Azure Event Hub, Azure Data Bricks, Azure Function App, Azure Logic App Azure Data Factory, Azure data explorer** |
| Data Ingestion | Sqoop |
| Big Data Technologies | Apache HDFS, Hive, Cassandra |
| Java Technologies | Java, Jdbc, Servlets, Jsp,Struts, Hibernate, Spring |
| Databases | Oracle . MySQL |
| Source Code Tools | SVN, Git Stash |

### Professional Experience

* Working as Principal Consultant at Mercedes-Benz Research and Development India
* Worked for L&T InfoTech (Fidelity Client) as Project Lead from September 2014 November 2018.
* Worked for CSC India Pvt Ltd as Consultant-Application Developer from April 2012 to Sep 2014.
* Worked as System Engineer for Tata consultancy services from December 2008 to Apr-2012.

### Education

* B.Tech (EEE) from GPREC, Kurnool with 79% marks(2004-2008)
* H.S.C (MPC) from Board of Intermediate Education, Andhra Pradesh with 93.5% marks(2002-2004)
* S.S.C from Kennedy Convent, Guntur with 77% marks(2001-2002)

### Project Experience

### Project 1 - MBRDI

**Project Title :** Global Data Vault – DTNA & DTA

**Company** **:** Mercedes-Benz Research and Development India

**Duration** : Dec 2018 till Date

**Environment** : Spark Core, Spark SQL, Spark Streaming, Scala, Python, Hive, ADLS, Blob Storage, Azure Key Vault, Azure Event Hub , Azure Data Bricks, Azure ADF, Azure function app, Azure Logic App ,Cosmos-DB

**Role**  : Principle Consultant

**Description:**

Mercedes Benz belongs to Automobile Domain having data of vehicle, quality, parts and telematics sensing data for Trucks / Buses.

The objective of this project is to Stream the telematics data from Azure EventHub where the data will be omitted every miliseconds by CTP device fitted in Daimler AG Trucks using spark structured streaming. Responsible to setup of Enterprise Data Lake and Integrated Analytics platform to provide support for various uses cases such as Analytics and Machine Learning.

Global Data Vault – DTNA & DTA project used to process various sources of data (Telematics/ AP/Azure ADLS), process the data with data quality framework and needful business logic and store the final in various layers data vault and data mart..

**Responsibilities:**

* Converting Incremental and Historical ETL workflows from SAP HANA source to Azure data bricks.
* Developed Azure CI/CD pipeline with organization git integration to continuous deployment of the code changes
* Developed Data processing pipeline to provide accurate data using Apache spark and Data-bricks.
* Implement Azure Data Factory jobs and pipelines.
* Implement and integrate Azure Devops with Databricks and GIT for automation.
* Automated the data on-board using azure data factory based on the data frequency and behavior of the data (incremental/historical/real time).
* Responsible for requirements gathering, status reporting, creating various metrics, project deliverables and prepare user manuals for better understanding of the user.

### Project 2 - L & T InfoTech

**Project Title :** OAM (Operations and Analytical managements**)**

**Duration**  : Nov 2014 to Nov 2018

**Environment** : Hadoop 2.x, Spark Core, Spark SQL, Spark Streaming, Scala, Hive, Sqoop, Apache Kafka, ADLS, Blob Storage, Azure Key Vault, Azure Event Hub , Azure HDInsight cluster , Azure Data Factory, Cosmos NoSQL DB.

**Role**  : Sr Software Engineer – Spark & Hadoop Developer

**Description:**

We As OAM team, responsible for processing the stock related global information published by SMT (stock management) team. As a Spark developer, implement batch job and live streaming job to process the large data sets that includes structured and semi-structured information. After processing the data by performing aggregations and joins, the output published to hive tables. DI (Data distribution Team) uses the output data for reporting. Live streaming job executes for every 20S on feeds from Kafka and output stored in Cassandra for visualization and pushing the data to Kafka topics. Azure cloud used as working cluster for storing /processing and orchestration.

**Responsibilities:**

* Contributed to implement data modelling, architecture and designing documentation.
* Worked with Kafka Streaming API to process real time data from Kafka cluster and store output in Cassandra and other Kafka cluster.
* Experience in Azure cloud components like ADLS, Azure Blob storage, Azure Key vault, Azure ADF for orchestration, Azure Spark HDI Insight Cluster.
* Involved in parsing json data into structured format and loading into HDFS/Hive using spark streaming, received streams will be stored in memory using RDD’s.
* Involved in implementing batch processing using Scala Spark-SQL for faster processing of data.
* Data movement from RDBMS to HDFS using Sqoop.
* Created Hive tables, also designed and Developed Hive managed/external tables using various storage formats. Ingested large volume of RDBMS transactional data source into HDFS using Sqoop import & analyzed with hive.
* Responsible for requirements gathering, status reporting, creating various metrics, project deliverables and prepare user manuals for better understanding of the user.
* Support the end user queries/issues and provide guidance to the user.
* Need to attend regular user calls with the users for problem resolution and addressing the user queries.

### Project 3 - CSC India

**Project Title :** Common Portal

Client : **UHG**

Duration : June 2012 to Sep 2014  
Environnent : Java, Spring, Hibernate, JavaScript, Ajax, Oracle App server

Role : Application développer / Module lead

Team Size : 4

**Description:**

UHG is a major Health Care provider in the USA. Common Portal Project is a web -based application, which enables members and Providers of the UHG to access their information. Members can login to Application and can change the doctor as availability in region, and can view his benefits, balance information. Providers are doctors who logins and submits member reports for reimbursement and also can provide many services

**Responsibilities:**

* + Responsible for writing Spring Controllers
  + Implemented persistence logic using Hibernate.
  + Implementing Dependency injection for injecting beans
  + Responsible for Implementing DAO.
  + Involved in reviewing of Code and development process.
  + Managing Resources for the Development and Production Support.
  + Responsible for generating weekly and Monthly Metrics for application.

### Project 4: TCS

**Project Title : Audit Confirmation**

Client : **Deutsche Bank**

Duration : Aug 2009 to Mar 2012  
Environment : Java, Servlets , JSP, Spring , Hibernate, Java script, Ajax, Web Logic App Server

Role : Developer

**Description:**

Audit Confirmation is the application to which customers send their Audit reports to the Deutsche Bank to do auditing via Email or Fax. After processing, the Audit reports of customers DB will send the status of the Auditing details.

This application implemented based on role categorizing. There are 5 roles

* Fax manager - Receives all Email/faxes from customers and forwards that faxes to region wise.
* Signature Verifier- Verifies the Signature in fax, if signature mismatches then he rejects the fax and forwards to next level.
* Call Back Verifier- This user calls to customer to verify whether fax details are correct or not.
* Processor - This user processes the audit records and generate final sheet with all auditing details.
* Approver-1- Rechecks all the auditing details done by Processor and approves/rejects the fax.
* Approver-2- This user is the final approver approves the audit, generates the pdf file, and sends email to Customer.
* Operational Manager- This user will receive all the rejected faxes from other users to communicate with customer regarding rejection of fax.

**Responsibilities:**

* Responsible for writing Spring Controllers
* Responsible for writing Struts Action classes and JSPs
* Implemented persistence logic using Ibatis.
* Implementing Dependency injection for injecting beans
* Responsible for Implementing DAO.
* Involved in reviewing of Code and development process.
* Regular status change for the Change Request’s(CR)
* Managing Resources for the Development and Production Support.

### Achievements

* Second place in Hackathon program
* Best Team Award from client in CSC
* Best CLP Faculty Award for conducting Trainings on J2ee in TCS
* STAR OF TEAM award in project in TCS