**Sai Eswar M**

**Data Engineer**

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**PROFESSIONAL SUMMARY**

* Over 8.9 years of experience in Software Engineering & Data Engineering by designing & developing scalable Applications and Complex Data Pipelines
* Around 4 years of Experience in designing and development of Solutions using HDFS, Apache Spark, Hive, NiFi, MYSQL Elastic Search, AWS
* Experience in working with RDD data processing & optimization techniques to handle structured and unstructured data.
* Expertise in Spark DataFrame APIs and the execution of advanced DataFrame techniques for complex business problem-solving.
* Experience in Handling Structured, Semi-structured and Unstructured Data
* Worked in data Ingestion pipelines using NIFI.
* Worked in Data Imports and Exports using Sqoop
* Good in performance optimization of Big Data pipelines.
* Familiarity in Spak-SQL syntax and ability to write SQL queries and DataFrame operations to solve business use cases.
* Worked in Agile Methodologies & communication with stake holders.
* Strong understanding in partitioning and bucketing concepts in Hive.
* Worked in handling data from different sources & targets like NAS, HDFS, S3, Apache Ozone, Samba server & Elasticsearch etc.
* Worked on S3, AWS EMR, Lambda, AWS Glue
* Experience in Containerization with Docker.
* Familiarity with Spark SQL schema and data type operations, such as creating, modifying, and dropping tables, views, and indexes, and handling null values.
* Knowledge of Spark SQL optimization techniques, such as cost-based query optimization, column pruning, and predicate pushdown, and their impact on query performance and resource utilization.
* Strong understanding of Spark SQL integration with other big data technologies, such as Hadoop, Hive, and Kafka, and their impact on data processing workflows and performance.
* Ability to troubleshoot common issues with Spark SQL, such as data processing errors, performance bottlenecks, and scalability limitations.
* Experience working with Spark SQL in production environments and implementing performance monitoring and alerting systems to detect and resolve performance issues proactively.
* Working in Different phases of SDLC like SRS, SDD & supporting and guiding team.
* Experience in full stack development using Ruby on Rails & Python
* Working Experience in React.js to build frontend applications

TECHNICAL SKILLS

**Data Eco System** : Hadoop, **Apache Spark,** Elastic Search, Hive, Sqoop

**Cloud Skills** : AWS

**Databases** : MySQL

**Languages** : Scala**,** Python, Java, SQL, Ruby & React.js

**Operating Systems** : Linux, Windows

**Version Control** :Bitbucket, GitHub

**PROFESSIONAL EXPERIENCE**

##### Project Name: Raw Data Search & Monitoring, XYZCompany June 2020– Present

**Project Role:** **Lead Research Engineer**

**Responsibilities**

* Involved in Requirement Analysis, Design, Development & deployment phases
* Developed Spark jobs to handle complex data collect from sensors & dealing with NAS as a storage
* Data Crawling and watching services implemented as a notifier.
* Spark Jobs to collect, Parse & index data to Elastic search
* Optimizations in Spark jobs and handling small files
* Involved in Analysis of Sensor data and meta data extraction
* Worked closely with Stake Holders and development teams & ensured quality
* Performed activities related to infrastructure related activities like setting up cluster.
* Worked with Spark DataFrames for feature engineering.
* Created Spark applications for customer segmentation.
* Conducted capacity planning for Spark clusters.
* Implemented Spark job retries and fault tolerance.
* Collaborated with data privacy teams to ensure compliance.
* Conducted data profiling and data quality checks in Spark.
* Worked with Spark for document clustering and topic modeling.
* Created Spark applications for sales forecasting.

**Technologies:**  Apache Spark, Scala, Java, Apache Hadoop, Elasticsearch, React.js & AWS

##### Project Name: DAAS, XYZCompany July 2019– June 2020

**Project Role:** **Senior Research Engineer**

**Responsibilities**

* Data transfer Pipelines Using NIFI
* Involved in Requirement Analysis, Design, Development & deployment phases
* Handled Data transfer with Different sources and destinations.
* Developed GUI to perform data transfer options.
* Involved in Data Backup Solutions with Apache Ozone.

**Technologies:**  Hadoop, HDFS, NIFI, React.js

##### Project Name: IPMS, XYZCompany August 2018– June -2019

**Project Role:** **Senior Research Engineer**, **Full Stack Developer**

**Responsibilities**

* Involved in Requirement Analysis, Design, Development & deployment phases
* Schema Designing for complex systems.
* Developed Complex features by customizing open-source code
* Developed Rich UI for front end
* Developed analytics dashboards
* Optimization in the code to improve performance
* Deployment application with Passenger and nginx
* Code Reviews, Unit testing

**Technologies:**  Ruby on Rails, MySQL Linux, HTML, CSS, Bootstrap & JavaScript

##### Project Name: Smart HRMS April 2017– July 2018

**Project Role:** **Software Engineer,** *XYZCompany*

**Responsibilities**

* Involved in Requirement Analysis, Design, Development & deployment phases
* Developed chat bot for employment system
* Developed full stack application for HRMS Portal

**Technologies:**  Ruby on Rails, Python, Dialog Flow, MySQL Linux, HTML, CSS, Bootstrap & JavaScript

##### Project Name: FCIS Portal, Client: FCIS, Company: Amzur technologies Mar 2016-April 2017

##### Project Role: Software Engineer

##### Responsibilities

* Involved in Requirement Analysis, Design, Development & deployment phases
* Involved in Meta Programming in Ruby
* Delivered featured in very short deadlines with demo’s
* Integration of third-party API’s and Made System Stable
* Support to QA team during testing and defects fixes

**Technologies**: Ruby on Rails, MySQL Linux, HTML, CSS, Bootstrap & JavaScript

##### Project Name: Great Percent, Client: Great Percent, Company: Amzur technologies May 2015-Mar 2016

##### Project Role: Jr Software Engineer

##### Responsibilities

* Involved in Development & deployment phases
* Involved in Meta Programming in Ruby
* Delivered featured in very short deadlines with demo’s
* Integration of third-party API’s and Made System Stable
* Handled huge data and parsing to result good performance
* Solved data migration issues

**Technologies**: Ruby on Rails, MySQL Linux, HTML, CSS, Bootstrap & JavaScript, Angular.js

**WORK EXPERIENCE**

* Hyundai Mobis -Aug 2017– Till Date
* Amzur Technologies – May 2015- July 2018

**EDUCATION**

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| --- | --- | --- |
| **Institute/College** | **Duration** | **Percentage Obtained** |
| GMRIT, Rajam | 2011-2015 | 72% |
| Sri Chaitanya Jr College, Vizag | 2009-20011 | 91.3% |
| Sri Aurobindo School | 2009 | 69.7% |

Thank You

M.Sai Eswar