SRINIVAS REDDY ALLURI

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Professional Summary

➢ Passionate Software/Data Engineer around 9 years of experience, proficient of solution architecture, developing robust data pipelines and software systems in platform.

➢ Enthusiast of open source software, contribute back to community whenever possible by writing code to **Apache Kakfa** and answering Bigdata(**Apache Spark** and **Hadoop**) questions in Stackoverflow.

➢ Knowledge of Data Structures, Cyber Security and Machine Learning**.**

➢ Trained and mentored 40+ people on Bigdata technologies so far which includes the participants from Kogentix and Banking Client in Jakarta.

➢ Quick at acquiring of modern technologies and ability to work in a team as well as individual.

Skills Summary

Proficient	Spark, Kafka, HDFS, YARN, Scala, Java, Hive, Alluxio, ANSI SQL
Comfortable	Airflow, Python, Presto, Amazon EMR, MapReduce, HBase, MongoDB, Oozie, Docker, Hue, Python, Amazon S3, JavaScript, PHP, MySQL, Oracle 11g, JAX-RS, JUnit, MRUnit, Antlr 4, Linux, Maven, Gradle, IntelliJ, Git
Familiar	Snowflake, Flume, Apache NiFi, Orient DB, Greenplum, Azure, Splunk, Sonar, Nexus, Jenkins, SBT, Web Development

Grab Singapore (Oct 2019 – till date)   Senior Data Scientist

Project: Product Insight and Experimentation   Role: **Cloud Data Engineer**

My day to day work in Product Experimentation team,
- Working on feedback loop data pipeline using **EMR, Kafka, Spark, S3, Airflow** and **Presto**, to provide quick and accurate experimentation and rollout metrics to stake holders.
- Reviews code merge requests and update the product/services documentation.
- Reduced S3 cost by 30% with objects transition to **Glacier** archival using **S3 lifecycle rules**.
- Improved the compaction data pipeline operability(**22 TB data per day**) on AWS with better logging, rule based event block listing, better partitioning and code refactoring.
- Saved EMR billing by 20% with more accurate cluster scale-in rules for task specific clusters.

Accenture Singapore (Jun 2018 – Oct 2019)   Digital Data Consultant

Project: DBS ADA Platform (Client)   Role: **Associate BigData Architect**

As a Consulting-Engineer/Solutions-Architect for DBS ADA data lake platform,
- Design and develop metadata driven data security framework to provide in house Authorization and ACL solution on datasets/tables with BlueTalon and Protegrity as implementation.
- Solution Architecture the data pipelines in the platform using the tools like **Airflow, Alluxio, Spark, YARN, Hive, Object store and Kafka**.
- Worked in Enterprise Streaming Platform team to setup Kafka/Connect/SchemaRegistry in data lake then integrate with metadata system and kerberos authentication with Active directory.

- Written RFC proposals and design docs for data security and streaming systems in platform.

Kogentix (Acquired by Accenture) India (Feb 2017 – Jun 2018)   Senior Engineer - Bigdata

My responsibilities in Kogentix, includes but not limited to
- Contributes to the design and implementation of data pipelines for in-house products and utilities using **Oozie**, **Spark**, **HDFS**, **YARN**, **HBase**, **Kafka**, **Hive** and **Sqoop**.
- Worked for Neilson on a migration project from premise to **Azure cloud** environment and explored tools like **Docker** and **Azure Batch Services, Azure Blob** and **HDInsights**
- Given onsite training in Jakarta for new/experienced hires in Bank Danamon on Hadoop, Spark, Hive, HBase, Ozzie and SQL.

Model N India (Jun 2016 – Jan 2017)   Senior Member of Technical Staff – I

Project: Revenue Management Cloud   Role: **Hadoop Spark Developer**

Model N's Pharma RMC suite enables customer to maximize revenue and minimize compliance risk across their product portfolios, customer channels, and geographies.
- Written **Hive Generic UDFs** to implement customized functions in **Spark SQL**.
- Involved in **setting up Hadoop cluster** using Apache components for Dev and QA.
- Rewritten **Oracle SQL** to ANSI SQL compliant **ANTLR v4** grammar utility.
- Tuned jobs performance in data pipelines with the help of YARN web UI.
- Owned **data flow pipeline** for RCP number calculation for 5i drugs in **Amazon EMR** infra**.**

Verizon India Pvt. Ltd (Feb 2014 – Jun 2016)   Senior Software Engineer

Project: Universal Identity Services   Role**: Hadoop Spark & Java Developer**

UIS helps customers to provide various authentication methods to verify user identities to systems, applications, and sensitive information so they can work from any device, at any time, with less risk.
- Worked in **scrum team** of 13 to define, design, develop and deploy product features.
- Written **MapReduce** and **Spark jobs** to reveal end user authentication and usage patterns.
- Added Unit test cases with **JUnit** and **MRUnit** for Spark and MapReduce jobs respectively.
- Deployed API monitoring portal using **Splunk engine and REST API** as part of Hackathon.
- Used **Oozie workflow** engine to orchestrate various **data pipelines** in cluster.
- Developed POC with **Spark Streaming** for **Telephone Denial of Service** protection module.
- Optimizing the **Hive** queries using Partitioning and Bucketing for boosting query performance.
- **Mentored juniors** in technically and functionally to accomplish their day to day tasks**.**
- Involved in **Hadoop Eco System** installation and configuration over 40 nodes using CDH5.

Tech4sys Software Solutions (May 2011 - Jan 2014)   Software Engineer

In tenure with Tech4sys worked with various customers, project leads and team members to defined and develop application features and functionalities. Brief of my roles and responsibilities included,
- Involved in all phases of product development **from an inception to deployable service**.
- Codes in **Java** and **PHP** by keeping an eye towards code abstraction and reuse with OOP.
- **Designed database schema** and provided **end to end architecture** for a jobcoconut.com.
- Programmed in **JAX-RS** and JPA to serve the API request from web application.
- Integrated **Single-Sign-On** and **Payment Gateways** for portals login and purchase modules.
- Boosted database queries performance by playing with indexes in **MySQL**.

- Deployed web applications in **AWS** using cloud products like **S3, EC2, Auto Scaling** and **Elastic Load Balancing.**

Academics

➢ B-Tech (Computer Science Engineering) from JNTU Hyderabad affiliated college from 2007 to 2011.

Projects:

1. **GSM Shop** is dedicated e-commerce application for mobiles and mobile accessories with improved shopping experience to buy the item quickly with provided filters on specifications, usage type and budget.
   Contributions : Application & Database Design, Search & Product module Development

   Technologies : PHP, JavaScript, HTML, CSS and MySQL

2. **College Administration** is useful for office administrators to populate various general-purpose certificates for student using their details in the database quickly and correctly with the help of predefined templates configured for each type of certificate.
   Contributions : Application and Database Design, Authentication & Dashboard Development

   Technologies : C#.Net, JavaScript, HTML, CSS and SQL Server

Certifications/Independent courses

➢ Graduate certificate in **"Architecting Scalable Systems" - National University of Singapore**
➢ Graduate certificate in **"Securing Ubiquitous Systems" - National University of Singapore**
➢ Certified Developer on Apache Spark – Databricks and O'Reilly
➢ Snowflake Certified Associate - Snowflake Academy
➢ Functional Programming Principles in Scala– Coursera
➢ M101J: MongoDB for Java Developers - MongoDB University
➢ Certified Java Developer for J2SE-6.0 - Oracle
➢ Cyber security and Its Ten Domains - University System of Georgia through Coursera.

Awards/Achievements

➢ All-time **top 11 StackOverflow answerers** tagged on **Apache Spark** and **Hadoop** questions.
➢ INNOVATION award for "**API Monitoring Application**" in **Splunk Hackathon OCT-2015**
➢ ON-THE- SPOT award for "Gmail bypass Feature Development" JUL-2015
➢ ON-THE- SPOT award for "Outstanding Performance" NOV-2014
➢ Participated and organized various technical and cultural events at college level.

"You never fail until you stop trying!" - **Albert Einstein**