

SRINIVAS REDDY ALLURI

Hadoop & Spark Engineer | Senior Member Technical Staff at Model N

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Professional Summary

- Passionate Software Engineer around 6 years of software development experience, last 3 years, mostly playing with Bigdata components like **Hadoop HDFS, Spark, MapReduce, Hive** and **Sqoop**.
- Knowledge of **Data Structures & Algorithms** and Enthusiast of **Cyber Security & Data Science**.
- Adhere to agile best practices like **TDD, CI** and **Code Refactoring** in DevOps model.
- Quick acquiring of new technologies and ability to work in a team as well as individual.

Skills Summary

Proficient	HDFS, YARN, Spark, MySQL, Java
Comfortable	Scala, MapReduce, Hive, Sqoop, Oozie, Hue, Python, Thrift Server, Amazon S3, Cloudera Manager, JavaScript, PHP, Oracle 11g, JAX-RS, JUnit, MRUnit, Antlr 4, Linux, Maven, IntelliJ, Git, SVN, Web Development
Familiar	HBase, Flume, Cloudera Livy, MongoDB, Splunk, Kafka, Amazon EMR, Sonar, Nexus, Jenkins, SBT

Company - Model N India (Senior Member Technical Staff - I)

Jun 2016 – Jan 2017

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.
- Rewrite **Oracle SQL** to ANSI SQL compliant **ANTLR v4** grammar utility.
- Tunes jobs performance by using **YARN** Application Master and **Spark History Server**.
- Written Spark applications for Government Pricing calculation and submits over **EMR-YARN**.
- Transforms the data from CSV to **Parquet** using Spark SQL external tables in **Amazon S3**.
- Attends **Scrum** call with team of 10 members.

Company - Verizon India Pvt. Ltd (Senior Software Engineer)

Feb 2014 – Jun 2016

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.
- Responsible to manage data coming from different sources and involved in **HDFS** maintenance and ingesting data with **Sqoop** and Flume.
- 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 manage interdependent and series of automated jobs.
- Developed POC with **Spark Streaming** for **Telephone Denial of Service** protection module.

- Optimizing the **Hive** queries using Partitioning and Bucketing for equal data distribution.
- **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.

Company - Tech4sys Software Solutions (Software Engineer)

May 2011 - Jan 2014

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.
- Incorporated **Single-Sign-On** with **Facebook**, **Google** and **LinkedIn** for web portals login.
- Boosted database queries performance by playing with indexes in **MySQL**.
- Integrated **AuthorizeNet** and **PayPal** gateways to accept subscription payments from users.
- Designed tournament scheduling and players ranking module for Denmark squash portal.
- Deployed applications using **AWS** cloud products like **S3**, **EC2**, **Auto Scaling** and **Elastic Load Balancing**.

Academics

- B-Tech (Computer Science) from JNTU Hyderabad affiliated college with 65.3% during 2007-11.

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

- Apache Spark Fundamentals – Bigdata University
- Functional Programming Principles in Scala– Coursera
- M101J: MongoDB for Java Developers - MongoDB University.
- Oracle Certified Java Developer for J2SE-6.0.
- Cyber security and Its Ten Domains - University System of Georgia through Coursera.

Awards/Achievements

- Part of the **top 5% StackOverflow answerers** in **Apache Spark** and **Hadoop** technologies.
- 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
- Promoted to Band 4 within a year of employment with Verizon.
- Participated and organized various technical and cultural events at college level.