SRINIVAS REDDY ALLURI

Hadoop Spark & Java Developer | Senior Member Technical Staff at Model N
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Professional Summary

- ➤ Software Engineer over 5.8 years of large scale distributed systems development experience.
- ➤ Skilled in Bigdata components like **Hadoop HDFS, YARN, 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.
- ➤ Strong background of Object Oriented Programming languages and design patterns.
- ➤ Proficient work experience in FullStack Web Development with Java/PHP, MySQL including JAX-RS.
- ➤ Quick acquiring of new technologies and ability to work in a team as well as individual.

Technical Expertise

Programming Languages	Java, Scala, Python, JavaScript and PHP
Bigdata Components	HDFS, YARN, Spark, MapReduce, Spark SQL, Hive, Splunk, Flume, Sqoop, Thrift Server, Livy, Oozie, Hue and S3
Hadoop Distributions	Amazon EMR, Cloudera and Apache
Databases	MySQL, Oracle 11g, MongoDB and HBase (exploring now)
Frameworks and Libs	JAX-RS, JUnit, MRUnit, Antlr 4, CodeIgniter and jQuery
Tools	IntelliJ, Eclipse, Putty, SQL Developer, Beeline, AWS CLI, VIM, cURL, Git, SVN, Sonar, Ant, Maven, Nexus and Jenkins
Servers and Platforms	Apache web server, Tomcat, WebLogic and CentOS(Linux)

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. It delivers measurable ROI through the industry only end-to-end set of applications designed to manage gross-to-net lifecycle.

- 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 in S3 from CSV to Parquet using Spark SQL external tables.
- 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 you to give your legitimate users secure access which uses multiple methods of authentication 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 product and engineering team of 13 to define and develop product features.
- Written MapReduce and Spark jobs to reveal end user authentication and usage patterns.
- Boosted QR code authentication performance by 60% using binary techniques.
- Responsible to manage data coming from different sources and involved in HDFS maintenance and loading of structured and unstructured data with Sqoop and Flume respectively.
- Added Unit test cases with JUnit and MRUnit for Spark and MapReduce jobs respectively.
- Built decoupled and service-oriented middleware software and platforms using JAX-RS.
- 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 processing engine with Spark for **Telephone Denial of Service** protection module.
- Optimizing the Hive queries using Partitioning and Bucketing for equal data distribution.
- **Mentored juniors in design and development** of REST APIs (JAX-RS) and UI layer.
- Involved in Hadoop Eco System installation and configuration over 40 nodes using CDH5.

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

Project: Maventus (maventus.com)   Role**: Java PHP FullStack Developer**

Maventus has a next generation social media software platform to store, share and access photos, video and audio assets specifically for social media. Manage all digital content, campaigns and social media post publishing from one integrated platform.
- Worked in a scrum team of 5 members and collaborated with client, project lead and team members to defined and develop application features and functionalities.
- Integrated AuthorizeNet and PayPal gateways for customer payments and purchases.
- Written crawl jobs on Facebook graph API and Twitter API to post multimedia content.
- Programmed in Java (JAX-RS and JPA) to serve the API request from PHP web portal.

Project: JobCoconut (jobcoconut.com)   Role**: Java PHP FullStack Developer**

Job Coconut will provide an environment that brings recruiters and employers together with jobseekers who are looking for a career in Europe. It helps employers and recruiters get their job openings to the candidates they want their job to seen by.
- Incorporated Single-Sign-On with Facebook, Google, Twitter and LinkedIn.
- Designed and Developed API (JAX-RS) for jobseeker, employer and portal admin.
- Included PayPal payment gateway to accept payment from recruiters.
- Tuned MySQL database queries for application performance.
- Involved in all phases of software development from application design to deployment.
- Designed database and provided architecture for entire portal.
- Worked in a team of 4 members

Project: SnazzIt (snazz.it**)**   Role**: Java PHP FullStack Developer**

SnazzIt is a social discovery site for products, where users can create, share collections, follow stores, and set price alerts, while SnazzIt automatically searches the web for lower prices while the user shops online.
- Developed admin and customer portal using PHP, MySQL and Bootstrap.
- Written jobs to crawl the public pages and Google API for best price match.

Project: PlanLab (getplanlab.com)   Role**: Java PHP FullStack Developer**

PlanLab helps people create a marketing plan via online software that guides them through 6 stages of writing a marketing plan, asking dozens of questions and letting them save answers as they go.

- Worked with project lead design and develop customer and admin portal on LAMP platform.
- Integrated PayPal and eWAY payment gateways for plan subscriptions.

Project: SquashPortalen (squashportalen.dk)   Role**: FullStack Developer**

The Squash Portal is the Danish Squash Federation tournament management system. It provides match coverage, statistics and various reports including tournament scheduling and player rankings.
- Designed entire tournament scheduling and players ranking module.
- Developed application by using PHP, MySQL, HTML and JavaScript.

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 in order 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

➢ Intermediate (+2) in Mathematics from Mathrusri Junior College with 92.7% during 2005-07.

Certifications/Independent courses

➢ Apache Spark Fundamentals – Bigdata University
➢ M101J: MongoDB for Java Developers - MongoDB University.
➢ Big Data Hadoop Fundamentals – Bigdata University
➢ Oracle Certified Java Developer for J2SE-6.0.
➢ Cyber security and Its Ten Domains - University System of Georgia through Coursera.

Awards/Achievements

➢ 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.