



Ranga Reddy

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OBJECTIVE

Data Engineer with 10+ years of relevant experience, aspiring to serve a position where I can effectively contribute and enhance my skills and abilities, striving to excel in all aspects and ensure professional growth by being innovative and flexible.

PROFESSIONAL SUMMARY

- Totally **10+ years** of hands-on experience of designing, developing and deploying **Big Data** and **Java/J2EE based applications**.
- Working as **Spark SME** to solve all kinds of customer spark issues.
- **4.5 Years** of experience in designing, developing and deploying **Big Data based applications in Dell EMC**.
- Strong knowledge of **Object-Oriented Programming (OOPs)**.
- Hands on Experience in **J2EE Technologies (JDBC, JSP, Servlets)** and Spring MVC
- Worked on big data technologies such as **Hadoop, Storm, Spark, Kafka, NoSQL** technologies such as **HBase**.
- Worked with Big Data distributions like **Cloudera, Hortonworks**.
- Working knowledge on **Spark** and its ecosystem: Spark, Spark SQL, Spark Streaming, Spark Dataframes.
- Importing and exporting data using **Sqoop** from Relational Database Systems to **HDFS, Hive** and vice-versa.
- Design and develop new source system integrations from a variety of formats including files, database extracts and APIs.
- Interacting with **Jenkins** and **Build Management System** to promote builds and tracking deliverables.
- Effective database management with **JDBC, JPA** and **Hibernate**.
- Implemented and used **design patterns** like **Singleton, Factory, DAO** and **MVC**.
- Application **development tools** like **Eclipse, STS** and **Intellij Idea** used.
- Experience in configuring and deploying **Web applications** using **Tomcat Web Server**.
- Source code control experience (**Subversion/GIT/TFS**).
- Experience with **Oracle RDBMS**, Windows and Linux operating systems.
- Build utilities, user defined functions, and frameworks to better enable data flow patterns.

EDUCATIONAL QUALIFICATIONS

- **Master of Computer Applications (MCA)** from Sri Krishnadevaraya University (**SKU**), Anantapur in the year 2011 with an aggregate 80%.
- **Bachelor of Science (B.SC)** from Sri Venkateswara University (**SVU**), Tirupati in the year 2008 with the aggregate 81%.

TECHNICAL SKILLS

Primary Skills	Programming in Java and J2EE
Programming Languages	Java, Scala and Java Script
Frameworks	Spring and Hibernate
Databases	Oracle, MySQL and Hbase
Application Servers	Apache Tomcat
Build Management Tools	Maven , Gradle and Sbt
IDEs	IntelliJ IDEA and Spring STS
Version Control Systems	SVN, Git
Design Patterns	Singleton, DAO, MVC, Front Controller, Factory, DTO and Builder
Operating Systems	Windows Family and Unix/Linux
Big Data Stack	Hadoop, Storm, Spark, Kafka, Hbase, HDFS, Hive and Iceberg

PROFESSIONAL EXPERIENCE

- Working as **Software Senior Engineer** at **Cloudera**, Bangalore from Mar 2020 to till date.
- Worked as **Software Senior Engineer** at **Dell EMC**, Bangalore from Nov 2015 to Mar 2020.
- Worked as **Senior Software Engineer** at **Mindtree Pvt. Ltd**, Bangalore from Aug 2014 to Nov 2015.
- Worked as **Junior Software Engineer** at **ITApp Software Pvt. Ltd**, Bangalore from Oct 2012 to Jul 2014.

PROJECT EXPERIENCE

- Sr Software Engineer at **Cloudera, Bangalore** – Mar 2020 to till date

Technologies: Java, Scala, Spark, Cloudera distributions & its tools

Description: Working as a Spark Backline Engineer to solve world class customer issues.

Role and Contribution:

- Troubleshooting the critical issues reported by customer and helping customers with root cause analysis reports.
- Handled **Performance issues** reported in Spark components and helped in performance tuning.
- **Publishing the Spark related** articles in the Cloudera community (<https://community.cloudera.com/t5/tkb/usercontributedarticlespage/user-id/78612/tkb-id/CommunityArticles>).
- Given training on multiple spark components for FL Team.
- Developed reusable tool for parsing Spark Event and Application logs.
- Creating Automated Spark Hogwarts exercises
- Publishing Spark support documents

- Big Data Engineer at **Dell EMC, Bangalore** – Nov 2015 to Mar 2020

1. 📁 **Project Name: SAIE**

Technologies: Java, Scala, Oracle DB, Hortonwork, Hadoop, Storm, Kafka, JSON and HBase

Project Description: Support Assist Intelligence Engine (SAIE) delivers a solution to store data from Support Assist. This will allow for reporting, support, and information exchange based on the current customer environment and will facilitate a proactive and predictive support environment.

Role and Contribution:

- Worked on a live 40 nodes Hadoop cluster running **HDP2.6.5**.
- Worked with highly unstructured and semi structured data.
- Worked with the admin team in designing and upgrading HDP2.3 to 2.5

- o Very good experience in monitoring and managing the Hadoop cluster using Horton works.
- o Participating in design discussions and analyzing the problem in detail to understand the key points.
- o Reading data from **Oracle** and processing the data and stored in **Kafka** through **Spark**.
- o Reading data from **Kafka** queue and processing the data through **Storm**.
- o After Processing the data storing of a large volume of data into **HBase**.
- o Involved in development of publishing messages to **Kafka** topics.
- o Coordinated with various other teams for queries and latest updates.
- o Worked on enhancements in the code and involved in **code reviews**.
- o Writing **Unit Test** Cases Using Junit.
- o Completed **documentation** for deployment.
- o **Supported** Production Engineering team during deployment.
- o Used **Fortify Static Code Analyzer** (SCA) to reduce security vulnerabilities.
- o Interacted with **Jenkins** and Build Management System to promote builds and tracking deliverables.
- o Writing and managing Control-M jobs for periodic execution of tasks.
- o Importing and exporting data using **Sqoop** from Relational Database Systems to HDFS, Hive and vice-versa.
- o Involved in creating **Hive** tables and loading and analyzing data using hive queries.
- o Developed UDFs in Java as and when necessary to use in Hive queries.

2. 📁 **Project Name: SAIE Analytics**

Technologies: Java, Oracle DB, Horton works, Hadoop, Spark, JSON

Project Description: Support Assist Intelligence Engine (SAIE) delivers a solution to store data from Support Assist. This will allow for reporting, support, and information exchange based on the current customer environment and will facilitate a proactive and predictive support environment. Extracted Server data and published to OMNEO UI. Published data is analyzed by the Analytics team and provided different kinds of solutions.

Role and Contribution:

SAE:

- o Played leading role on end to end design of SAE – Server collection extract module.
- o Worked on mapping to integrate attributes, object across release of SAE.
- o Worked on design and ingesting the configuration files of SAE which are used as source of reference for mapping.
- o Reading the JSON data from Oracle using Spark and processing the data and generating CSV.

- Senior Java Developer at **Mindtree, Bangalore** – Aug 2014 to Nov 2015

1. 📁 **Project Name: Meeting Services App (MSA)**

Technologies: Java, J2EE, Spring Framework, Hibernate, Tomcat, MySQL, AngularJs, Subversion, Maven, Web Services, jQuery, HTML, CSS.

Project Description:

Meetings are a major driver of Marriott's global revenue and room nights. Marriott wants to re-evaluate both products and services offered to guests as well as the manner in which it is delivered (E.g. event planning, meeting support). To this end, an enterprise Future of Meetings project was created to develop and implement several concepts designed to revolutionize the way Marriott delivers meetings and events to their customers.

Meeting Service Application is a solution that allows the Meeting Planners to seamlessly access Marriott's Concierges via their Laptops, mobile devices, tablets and submit their requests discretely and instantaneously without having to step out of the meeting room.

Meeting Services Application was conceptualized with the below objectives,

- Allow the Meeting Planners to instantly connection to your Red Coats via their mobile devices
- Easy view of all requests

- Faster resolution of requests
- Centralized system to track all meeting related requests and run reports against this data

Role and Contribution:

- o Worked on a change request given by the client.
 - o Worked on critical modules in the development phase.
 - o Involved in developing Controller classes, Service layer classes and DAO layer classes.
 - o Written Spring Service Interfaces and their implementations.
 - o Designed and developed various JSP using jQuery and AngularJS.
 - o Using Hibernate framework for database operations.
 - o Involved in Unit testing using Junit.
 - o Implemented logging with Log4j.
- Java Developer at **ITApp Software Ltd, Bangalore** – Oct 2012 to Jul 2014

1. 📁 Project Name: AppCenter

Technologies: Java, J2EE, Spring Framework, RDB, IntelliJ IDEA, Tomcat, MySQL, AngularJs, Subversion, Maven, Web Services, jQuery, HTML, CSS.

Project Description:

AppCenter has a modern App store interface that optimizes IT services with a self-service experience for users and business units. IT can now effectively respond to business needs through automation while stemming the unauthorized, unmanaged use of third-party systems, a practice known as shadow IT.

AppCenter Cloud Management Platform is a unified cloud services delivery and business management platform that enables cloud services automation for provisioning, lifecycle, monitoring and user management.

AppCenter Cloud Management Console makes it easy to deliver a broad array of cloud services while integrating with existing business, operations and IT systems.

Role and Contribution:

- o Used Spring framework for Dependency injection and integration.
- o Creating Portlets by using Spring Portlet MVC.
- o Generating Controller Classes.
- o Written Spring Service Interfaces and their implementations.
- o Designed JSP's as per the Requirement.
- o Using Kendo UI for Writing JavaScript and client-side validation.
- o Using the RDB framework for database operations.
- o Used Agile methodology to develop and deliver projects.
- o Tested the applications with the Junit, also written some test cases.
- o Used Log4j for development and runtime debugging of the application.

ACHIEVEMENTS AND AWARDS

- Participated in Dell Ideafest.
- Recipient of cash award for contribution towards **SAE** and **Analytics** project at Dell.
- Got **“Silver Award”** for best performance in **Q4 FY18** at Dell
- Got **“A team”** award for best performer of the MSA Project in Mindtree.
- Received several appreciations from Client, Team Lead and Manager for my work.

DECLARATION

I assure you of my best services to your organization and to the satisfaction of all the concerned. These are all true data with the best of my knowledge and belief.

Place: Bangalore, India

Date:

(Ranga Reddy)