Vijay
Sr. Java/ Hadoop Developer

@:b.vijay.m09@gmail.com   ©: (646) 801-5340

Responsibility:

- 9+ years of experience in **SDLC** with key emphasis on the trending Big Data and Java Technologies - **Spark, Scala, Spark Mlib, Hadoop, Tableau, Cassandra, Java, J2EE**.
- **Architect, design** & **develop Big Data** Solutions practice including set up Big Data roadmap, build supporting infrastructure and team to provide Big Data.
- Architecting, Solutioning and Modeling DI (Data Integrity) Platforms using **sqoop, flume, kafka, Spark Streaming, Spark Mllib, Cassandra**.
- Strong experience in migrating data warehouses and databases into Hadoop/NoSQL platforms.
- Strong expertise on **Amazon AWS EC2, Dynamo DB, S3, Kinesis** and other services
- Expertise in data analysis, design and modeling using tools like **ErWin.**
- Expertise in **Big Data architecture** like hadoop (**Azure, Hortonworks, Cloudera**) distributed system, **MongoDB, NoSQL**.
- Expertise in Service Oriented Architectures (SOA- Web Services) using **Apache Axis**, WebLogic, **JBoss** and **EJB** Web service framework.
- Used Mule ESB in designing the application as a middleware between the third-party system and the customer side system.
- Hands on experience on **Hadoop /Big Data** related technology experience in **Storage, Querying, Processing and analysis of data.**
- Expertise in archtiecting Big data solutions using **Data ingestion, Data Storage**
- Strong Experience in Front End Technologies like **JSP, HTML5, JQuery, JavaScript, CSS3**.
- Worked on windows server AD configuration and **Kerberos protocol.**
- Experienced with Perl, Shell scripting and test automation tools like **Selenium** RC, Web Driver and **Selenium** Grid.
- Developed **Python** Mapper and Reducer scripts and implemented them using **Hadoop** streaming.
- Experienced in customizing **Selenium** API to suit in testing environment.
- Integration of Mule ESB system while utilizing MQ Series, Http, File system and SFTP transports.
- Solid Knowledge of **My SQL** and **Oracle** databases and writing **SQL** Queries.
- Proficient in developing the application using **JSF**, **Hibernate**, **Core Java**, JDBC and **Groovy** and **Grails** presentation layer components using **JSPs**, **Java script**, **XML** and **HTML Cassandra , Cucumber, OLE and Continuous deployment, API , Angular JS along with Web service , REST , GemFire , Rabbit MQ , Spring Boot.**.
- Experience in **Back End** Development including **Web services**, Data service layers with service desk experience.
- Designed and coded **Hibernate**, **struts** for **mapping**, configurations and **HQL** for enhancement and new module development of Transport Optimization, Planning and Scheduling Web app.
- Used **Groovy** and **Grails** with **spring, Java**, J2EE for user interface.

- Initiated the Automation framework using **Selenium** Web Driver to run test cases in multiple browsers and platforms.
- Highly motivated software engineer and experience in developing in web applications using **Java script**, **Backbone.js** and Coffee script technologies.
- Utilized integration Patterns, integration tools, EAI, Transformations, XML Schemas, and XSLT.
- Used Quartz connector to schedule the batch jobs.
- Architected Integrations using Mule Soft ESB environments for both on premise and Cloud hub environments.
- • Experience in developing interfaces between Sales force and Oracle ERP using Informatica Cloud/Mule ESB technologies.
- • Implemented flows for sales force outbound / inbound calls and business process.
- • Experience in Mulesoft Any point API platform on designing and implementing Mule APIs.
- Good knowledge on **Soap** UI tool to unit testing **SOA** based applications.
- Ability to understand and use design patterns in application development.
- Very good knowledge in different development methodologies like SDLC and Agile.
- Experienced in developing applications using **HIBERNATE** (Object/Relational mapping framework) and involves in working on service desk client.
- Experienced in developing Web Services using JAX-RPC, JAXP, SOAP and WSDL. Also knowledgeable in using WSIF (Web Services Invocation Framework) API.
- Experience in writing database objects like Stored Procedures, Triggers, SQL, PL/SQL packages and Cursors for Oracle, SQL Server, DB2 and Sybase.
- Java 8, J2EE, spring (MVC, Data-JPA, Security),Hibernate, Jenkins or Bamboo, HTML 5, JSP, JavaScript, JQuery, **Ajax, Angular JS.**

Technical Skills

Big Data: Hive, Hadoop, oozie, sqoop, Storm, Kafka, Elastic Search, HDFS, Zoo Keeper, Map Reduce, hive, pig, spark, flume.
J2EE Technologies: Servlets, JSP, JDBC, JNDI, OSGI, EJB, RMI, ASP.
Programming Languages: Java 8, C, C++, Pig Latin, HQL, R, Python, XPath, Spark.
Frameworks: Jakarta Struts, Spring, Spring MVC, JSF (Java Server Faces), Hibernate, Tiles, I Batis, Validator, Cucumber, OLE and Continuous deployment, micro services, Groovy.
Web Technologies: HTML, DHTML, Cassandra , API , Angular JS along with Web service, REST, Gem Fire, Rabbit MQ , Java script with J query, Python, Ext JS, AJAX, CSS,CMS, Yahoo UI, ice faces API , Angular, Node.js, Backbone.js.
XML Technologies: XML 1.0, XSLT, XSL, HTML5, DHTML, J query,, XSL / XSLT /XSL-FO, JNDI, LDAP, SOAP, AXIS 2
Application/Web Servers: IBM Web Sphere 5.X/6.0/7.0/8.0, IBM HTTP server 8.x, Web Logic 7.x/8.x/9.0, Web Logic Portal 5.x, J Boss 4.0, j BPM, Apache Tomcat, OC4J, Docker.
NO SQL Data Base: Cassandra, mongo DB
Databases: Oracle 12c /10g/11g, SQL Server, My SQL, DB2.
Messaging Systems: JMS, IBM MQ-Series

IDE Tools: IBM Web Sphere Studio Application Developer (WSAD) RSA, RAD, Eclipse /RCP, J developer, Net Beans .

Cigna, Hartford, CT	Aug'15 – Till Date
Sr. Java/Hadoop Developer	

Roles & Responsibilities:

- Implementation of Big Data ecosystem (**Hive, Impala, Sqoop, Flume, Spark, Lambda**) with Cloud Architecture
- Used Talend for Big data Integration using **Spark** and **Hadoop**
- Used Microsoft Windows server and authenticated client server relationship via **Kerbros protocol.**
- Experience on BI reporting with At Scale OLAP for Big Data.
- Implemented solutions for ingesting data from various sources and processing the Data-at-Rest utilizing **Big Data** technologies such as **Hadoop**, **Map Reduce Frameworks, HBase**, **Hive**
- Loaded and transformed large sets of structured, semi structured and unstructured data using **Hadoop/Big Data** concepts.
- I have Working experience in Middleware Integration product Mulesoft
- Designed and Developed Real time Stream processing Application using **Spark, Kafka, Scala** and **Hive** to perform Streaming ETL and apply Machine Learning.
- Identify query duplication, complexity and dependency to minimize migration efforts Technology stack: Oracle, **Hortonworks HDP** cluster, Attunity Visibility, Cloudera Navigator Optimizer**, AWS Cloud** and **Dynamo DB.**
- Experience in AWS, implementing solutions using services like **(EC2, S3, RDS, Redshift, VPC)**
- Worked on **Talend** Magic Quadrant for performing fast integration tasks.
- Worked as a Hadoop consultant on (**Map Reduce/Pig/HIVE/Sqoop**).
- Worked with **Spark** and **Python**.
- Worked using Apache Hadoop ecosystem components like **HDFS, Hive, Sqoop, Pig**, and Map Reduce.
- Lead architecture and design of data processing, warehousing and analytics initiatives.
- Worked with AWS to implement the client-side encryption as Dynamo DB does not support at rest encryption at this time.
- Exploring with the Spark for improving the performance and optimization of the existing algorithms in Hadoop using **Spark Context, Spark-SQL**, Data Frame, Pair RDD's, **Spark YARN.**
- Used Data Frame API in **Scala** for converting the distributed collection of data organized into named columns.
- Performed data profiling and transformation on the raw data using Pig, Python, and Java.
- Experienced with batch processing of data sources using Apache Spark.
- Developing predictive analytic using **Apache Spark Scala APIs**.

- ➢ Involved in working of **big data** analysis using Pig and User defined functions (UDF).
- ➢ Created Hive External tables and loaded the data into tables and query data using **HQL**.
- ➢ Used Sqoop to efficiently transfer data between databases and HDFS and used Flume to stream the log data from servers.
- ➢ Involved in developing and configuration of enterprise components using Mulesoft ESB.
- ➢ Implement enterprise grade platform (mark logic) for ETL from mainframe to **NO SQL** (cassandra).
- ➢ Experience on **BI reporting** with At Scale OLAP for **Big Data**.
- ➢ Responsible for importing log files from various sources into HDFS using Flume
- ➢ Worked on tools Flume, Storm and Spark.
- ➢ Expert in performing business analytical scripts using **Hive SQL**.
- ➢ Best practices for designing integration modules using ESB& Data Integrator modules
- ➢ Implemented continuous integration & deployment (**CICD**) through Jenkins for Hadoop jobs.
- ➢ Worked in writing **Hadoop** Jobs for analyzing data using **Hive, Pig accessing** Text format files, sequence files, Parquet files.
- ➢ Experience in different Hadoop distributions like Cloudera (**CDH3 & CDH4**) and Horton Works Distributions (**HDP**) and **MapR**.
- ➢ Experience in integrating **oozie** logs to **kibana** dashboard.
- ➢ Extracted the data from MySQL, **AWS RedShift** into **HDFS** using **Sqoop.**
- ➢ Developed Spark code using Scala and Spark-SQL for faster testing and data processing.
- ➢ Imported millions of structured data from relational databases using Sqoop import to process using **Spark** and stored the data into **HDFS** in CSV format.
- ➢ Developed Spark streaming application to pull data from cloud to **Hive table.**
- ➢ Used Spark SQL to process the huge amount of structured data.
- ➢ Assigned name to each of the columns using case class option in **Scala.**
- ➢ Implemented **Spark GraphX** application to analyze guest behavior for data science segments.
- ➢ Enhancements to traditional data warehouse based on STAR schema, update data models, perform Data Analytics and Reporting using Tableau.

Environment: Big Data, SparkSpark, YARN, HIVE, Pig, Scala, Python, Hadoop, AWS, Dynamo DB, Kibana, Cloudera, EMR, JDBC, Redshift, NOSQL, Sqoop, MYSQL.

BNFS,Fort Worth, TX	Apr'13 – Jul'15
Sr. Java/ Hadoop Developer	

Roles & Responsibilities:

- ➢ Involved in **Big Data** Project Implementation and Support.
- ➢ Involved in the coding and integration of several business critical modules of CARE application using **spring, Hibernate** and **REST** web services on **Web Sphere** application server.
- ➢ Implemented Installation and configuration of multi-node cluster on Cloud using **AWS** on **EC2**.

- ➢ Designed and developed Enterprise Eligibility business objects and domain objects with Object Relational Mapping framework such as **Hibernate**.
- ➢ Used Hive to analyze data ingested into **HBase** by using **Hive**-**HBase** integration and compute various metrics for reporting on the dashboard
- ➢ Developed the Web Based Rich Internet Application (RIA) using JAVA/J2EE (spring framework).
- ➢ Used the light weight container of the **Spring Frame** work to provide architectural flexibility for inversion of controller **(IOC)**.
- ➢ Utilized **Oozie** workflow to run **Pig** and **Hive** Jobs Extracted files from Mongo DB through Sqoop and placed in **HDFS** and processed.
- ➢ Used **Flume** to collect, aggregate, and store the web log data from different sources like web servers, mobile and network devices and pushed to **HDFS**.
- ➢ Involved in end to end implementation of **Big data** design.
- ➢ Developed and Implemented new **UI**'s using **Angular JS** and **HTML.**
- ➢ Developed Spring Configuration for dependency injection by using **Spring IOC, Spring Controllers.**
- ➢ All the data was loaded from our relational **DBs** to **HIVE** using **Sqoop**. We were getting four flat files from different vendors. These were all in different formats e.g. text, EDI and XML formats
- ➢ Objective of this project is to build a data lake as a cloud based solution in AWS using Apache Spark and provide visualization of the ETL orchestration using CDAP tool.
- ➢ Proof-of-concept to determine feasibility and product evaluation of Big Data products
- ➢ Writing **Hive** join query to fetch info from multiple tables, writing multiple M**ap Reduce** jobs to collect output from **Hive**
- ➢ Used Hive to analyze the partitioned and bucketed data and compute various metrics for reporting on the dashboard.
- ➢ **AWS Cloud** and On-Premise environments with Infrastructure Provisioning / Configuration.
- ➢ Worked on writing Perl scripts covering data feed handling, implementingmark logic, communicating with web-services through SOAP Lite module and WSDL.
- ➢ Involved in developing **Map-reduce framework**, writing queries scheduling map-reduce
- ➢ Developed the code for Importing and exporting data into **HDFS** and Hive using **Sqoop**
- ➢ Installed and configured **Hadoop** and responsible for maintaining cluster and managing and reviewing Hadoop log files.
- ➢ Developed Shell, Perl and **Python** scripts to automate and provide Control flow to **Pig scripts**.
- ➢ Design of **Redshift** Data model, Redshift Performance improvements/analysis
- ➢ Continuous monitoring and managing the **Hadoop** cluster through **Cloudera Manager**.
- ➢ Worked on configuring and managing disaster recovery and backup on **Cassandra** Data.
- ➢ Performed File system management and monitoring on Hadoop log files.
- ➢ Implemented partitioning, dynamic partitions and buckets in **HIVE**.
- ➢ Developed customized classes for serialization and Deserialization in **Hadoop**
- ➢ Analyzed large amounts of data sets to determine optimal way to aggregate and report on it.
- ➢ Implemented a proof of concept deploying this product in Amazon Web Services AWS.
- ➢ Involved in migration of data from existing **RDBMS** (oracle and SQL server) to Hadoop using **Sqoop** for processing data.

Environment: Pig, Sqoop, Kafka, Apache Cassandra, Oozie, Impala, Cloudera, AWS, AWS EMR, Redshift, Flume, Apache Hadoop, HDFS, Hive, Map Reduce, Cassandra, Zookeeper, MySQL, Eclipse, Dynamo DB, PL/SQL and Python.

WW Norton, NYC, NY	**Nov'11 – Mar'13**
JAVA/J2EE DEVELOPER	

Roles & Responsibilities:

- Used Web Logic to build and deploy the application.
- Created stubs to consume Web services.
- Automated tests were coded in **Java** Script with Frog logic's Squish or Smart Bear's Test Complete for client applications and coded in **Java** with **Selenium** for web application testing.
- Developed automation testing process using **Selenium** and QTP which involves study of client testing requirements, analyzing the feasible testing strategies and development of automated test scripts which also includes testing and finally deployment of the test scripts.
- Used spring framework to achieve loose coupling between the layers thus moving towards Service Oriented Architecture (**SOA**) exposed through **RESTful**.
- Involved in performing Unit and Integration testing (Junit)
- Involved in building **EJB** Session/Entity beans to maintain Transaction Management across the application.
- Built Web pages that is more user-interactive using **Java script** and **Angular** JS.
- Groovy allows using the primitive's types as a short form for the variable declaration and the compiler translates this into the object.
- Extensively used **Spring JDBC** in data access layer to access and update information in the database.
- Developed Web Services to create reports module and send it to different agencies and premium calculation for manual classes using **SOAP** and **Restful** web services and rich faces components.
- Involved in writing Spring **MVC** controllers and writing custom validations.
- Working on Struts Framework for developing the front-end application and extensively. **Spring** as middle tier for entire application.
- Used JAX-WS (**SOAP**) and JAX-RS (**REST**) to produce web services and involved in writing programs to consume the web services.
- Java 8, J2EE, spring (MVC, Data-JPA, Security),Hibernate, Jenkins or Bamboo, HTML 5, JSP, JavaScript, JQuery, Ajax, Angular JS
- Involved in working with Struts Tiles for the common look and feel for a web application.
- Working on Web Services using **Java** API for **XML** Services (JAX-WS) and supporting, building, deploying Web APIs Services.
- Working as a part of team from business transfer, development, testing, code review, build implementation and support.
- Wrote PL/SQL statements according to the need using **Oracle** 10g database.
- Working on an internal web-based client server application built with Struts 2 Framework using **Oracle** backend Database, working on establishing the relation for the different beans using the **Hibernate** 3.1.

- Involved in writing various components using **Spring** AOP and IOC framework.
- Involved in writing JSP and **JSF** components. Used JSTL Tag library (Core, Logic, Nested, Beans and **Html** tag lib's) to create standard dynamic web pages.
- Developed connection to the backend using **JDBC** after building the Entity Beans as Bean Managed Persistence Entity Beans.
- Designed and Developed the UI Framework using **Spring MVC** and **AngularJS**.
- Creation of **REST** Web Services for the management of data using Apache CXF and Docker.
- Implementation of **EJB** as entry point for web services. Effectively prepared for and organized technical inspections to review code and design models with peers and software architects.
- Identified the defects through **Selenium** and ensured that business processes deliver the expected results and remain reliable throughout the production release.
- **Spring 3.x** is used as framework to write the application code and **RESTful** web services for external clients.
- Designed and developed backend application servers using **Python**.
- Managed application deployment using **Python**.
- Upgraded **Python** 2.3 to **Python** 2.5, this required recompiling mode **Python** to use **Python** 2.5.
- Enhanced user experience by designing new web features using MVC Framework like **Backbone.js**, and **node.js**.
- Used **JDBC** connectivity for connecting to the **Oracle** 8.0 database.
- Developed major websites and services by including **Mongo DB** as backend software.
- Good experience in creating and consuming **Restful** and **SOAP Web Services**.
- Developing ability to move and consolidate critical information for the businesses and financial account data Using **EJB** 2.1 and **Hibernate** for performing the Database Transactions.

Environment: Java and , Struts Framework ,J query, Oracle , HTML, Mark logic, micro services, Python, Groovy, PL/SQL, JDBC, Mark logic, Talend, Hibernate, Ant, WSDL, EJB .

Infinite Computer Solutions, BANGALORE   **Jun'08 – Oct'11**
JAVA DEVELOPER

Roles & Responsibilities:

- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
- Developed **hibernate** mapping using db model.
- Involved in designing and developing Customized tags using JSP tag lib
- Implemented Model View Control (MVC) architecture using Struts Framework and **Spring** framework
- Developed browser-based **Java** Server Faces front-end to an AS/400 system
- Used Ajax to provide dynamic features where applicable.
- Implemented **RESTful** web services to communicate with components of other Sourcing systems within the firm and to provide data to the reporting team.

- Used MVC pattern for GUI development in **JSF** and worked closely with **JSF** lifecycle, Servlets and JSPs are used for real-time reporting which is too complex to be handled by the Business Objects
- Used Jira for bug tracking and project management.
- Prepared user documentation with screenshots for UAT (User Acceptance testing).
- Implemented Struts Validation Framework for Server side validation.
- Developed JSP's with Custom Tag Libraries for control of the business processes in the middle-tier and was involved in their integration.
- Developed Web services (**SOAP**) through WSDL in Apache Axis to interact with other components.
- Implemented **EJB**s Session beans for business logic.
- Used parsers like SAX and DOM for parsing **xml** documents and used **XML** transformations using XSLT.
- Wrote stored procedures, triggers, and cursors using **Oracle** PL/SQL.
- Used Rational Clear Case as Version control.
- Implemented **Java**/J2EE Design patterns like Business Delegate and Data Transfer Object (DTO), Data Access Object and Service Locator.
- Interact with clients to understand their needs and propose design to the team to implement the requirement.
- Built an online system using **XML**, **Java script**, AJAX, Strut 2.0, JDBC
- Involved in technical Documentation for the module
- Designed and created SQL Server Database, Stored Procedures

Environment: Java, JSP, JDBC, Cassandra , API , Python, J query, Angular JS along with Web service , REST , Spring Core, Struts, Hibernate, Design Patterns, XML, Oracle, Apache Axis, ANT, Junit, UML, Web services, SOAP, XSLT, Jira.