RAJESHKUMAR ELUMALAI

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Seeking a challenging and creative career, where I can apply my existing knowledge, acquire new skills and contribute effectively to the organisation of high repute and goodwill in market.

EMPLOYMENT CHRONICLE

Over 10+ years of IT experience that includes 2.7 years' experience in Big data technology and 8+ years of extensive experience in Java/J2EE.

- o 3.8 years of Experience in CNSI as Technical Lead, Chennai
- o 3.7 years of Experience in PayPal IDC as Application Delivery, Chennai
- o 3.4 years of Experience in Gruppo Banca Sella as Software Engineer, Chennai

SUMMARY

- Experience in understanding **Big Data** infrastructure, distributed file systems–**HDFS**, parallel processing – **MapReduce** framework and **Hadoop** ecosystem – **Spark, Kafka, Hive, Hbase, Zookeeper, Sqoop, RabbitMQ, Elasticsearch and Redis.**

- Hands-on experience on **YARN** architecture and components such as Resource Manager, Node Manager, Container and Application Master and execution of a **Spark** job.

- Experience in implementing **Java EE design patterns** such as MVC, Singleton, Session Facade, DAO, DTO, and Business Delegate in the development of Multi-Tier distributed Enterprise Applications.

- Strong experience in developing applications in Linux environment using **Red Hat Linux**.

- Developed **Spark** application using **Scala,** Spark used to pull the data from warehouse directly or through Hive to apply the business use case and finally produce the spark output in **RDBMS**.

- Experience in manipulating/analyzing large datasets and **finding patterns** and insights within **structured** and **unstructured** data.

- Configured and Installed Hadoop ecosystem components like **Hadoop Map Reduce, HDFS, HBase, Hive, Zookeeper, Spark, Sqoop, Kafka and Elasticsearch.**

- Expertise in development of multi-tiered web based enterprise applications using **J2EE technologies** like **Servlets, JSP, JDBC, Java** and **Spring Framework** such as **Boot**, **MVC**, **AOP, Security** and **REST**.

- Experience in designing **front end** interfaces using **HTML5**, JSP, **JavaScript**, jQuery and **AngularJS**.

- Good knowledge of Web/Application Servers like **Weblogic**, **Tomcat**, **JBoss** and **Wildfly**.

- Hands on experience in **database** design using **PL/SQL** to write Stored Procedures, Functions, Triggers and strong experience in writing queries for **Oracle.**

- Experience with **Use-Case** design, **Class** and **Sequence** diagrams using **UML**. Experience in Code coverage tools like **Sonar**, **JUnit**, **ArchUnit** and Mocking tools.

- Strong Knowledge on Application Development using Software Development Life Cycle **SDLC** using various methodologies like **Waterfall**, **Agile/Scrum**.

- Excellent team **player** with good **analytical**, strategic planning and interpersonal and communication skills. Highly motivated, enthusiastic and **self-starter**.

TECHNICAL SKILLS

Big Data Technologies:	Hadoop, Map Reduce, HDFS, Hive, Spark, Kafka, Elastic Search, RabbitMQ, Redis, Zeppelin
Programming Languages:	Java, Scala
Scripting Languages:	JSP, Servlets3.1, JavaScript, XML, HTML5, Angular 5
Web Frameworks:	Spring Boot, MVC, AOP, Security, REST, Data
Application Servers:	Web Logic, JBoss, Tomcat, Wildfly
Operating Systems:	Windows, LINUX
Databases:	MySQL, Oracle, HBase, H2DB
Build Tools:	Jenkins, Maven, ANT
Documentation:	Swagger(API), Confluence(Technical)
Static Analysis:	Metrics, PMD, FindBugs, Sonar & Lint, ArchUnit
Unit Testing/Mock Tools:	Junit, EasyMock, Mockito
Versioning/Tracking Tools:	SVN, CVS, JIRA, ClearQuest, GitHub
Development Methodologies:	Agile/Scrum, Waterfall

PROJECT DETAILS

Project: Provider SOF – Data Analysis with Spark

Client: Client Network Services, Michigan-United States

Environment: Hadoop Cluster, Spark, Hive, Sqoop, Oracle, Zeppelin

Project Details:

The Scope of this project is to gather data from data warehouse and process it using Spark, and then from a processed sub set of data to perform complex matching of provider SSN, EIN, NPI, Address, DOB and perform DML's based on match also did analysis using Zeppelin.

Responsibilities:
- Installed and configured of **Hadoop**, **Spark**, **Hive**, **Sqoop** with **Oracle**.
- Subsystem used to collect the data from warehouse and process it using **Spark**.
- Based on Porvider details, Using **SparkSQL** with the help of joins and union we matched with respective subsytem tables and we identify the mathes then do the analysis using **Zeppelin**.
- Generally, we used to get the consolidated provider **checklist** for matching the records.
- We have used **Oracle** datawarehouse for storing the historical data and used **Multi Node Spark** cluster for analysing and data **matching**. Currently deployed in **preproduction** to reduce the matching timings.

Project: Payment Gateway Integration – External Subsystem

Client: Client Network Services, Michigan-United States

Environment: Spring Boot, MVC, Security OAuth with REST API, Wildfly, Oracle

Project Details:

Payment Gateway is a component which is used for connecting the payment gateway external system that has been called from evoBrix application. This component used the existing schema to store the transaction details between two applications and implemented Security Oauth2 to filter url patterns with specific users.

Responsibilities:
- Developed new **component** called Payment Gateway which is used to connecting the external system that has been called **evoBrix** spring based application.
- Designed **Architecture** diagram for business solution requirements with DataModel.
- Prepared both Technical and Design **document** for external subsystem to understand the API specifiction and other high level **UML** diagrams.
- Build Spring Boot **REST** services for the delivery of work products across the application.
- Executed bunch of testcases to ensure the Integration with external subsystem should be easier way to test the flow for **Payment Gateway** in evoBrix application.
- We have used **Oracle** database for storing the historical design specification document entities.
- Performed code review and unit tested the application.

Project: Claims Sure – Core Claim Adjudication System

Client: Client Network Services, Michigan-United States

Environment: Hadoop Cluster, Hive, Sqoop, Spark, Scala, Linux

Project Details:

Claims Sure is designed to run at the individual claim level during adjudication, using the Claims Engine. The key observation is that intended incorrect billing attempts to match the system, as opposed to an openly violate rules. Those are dynamically detected and map with patterns to prevent the payments. Later, these claims are identified as suspect claims in retrospective analyses. The primary objective of this project is to provide a streamline the process of identifying the suspects using Hadoop ecosystem components that moved huge data from different servers to HDFS and apply patterns through spark and find the claim suspects.

Responsibilities:
- Technical Lead of the team.
- Involved in configuration of JDK, **Hadoop**, **Sqoop**, **Hive** on **Linux** environment.
- Created reports for the BI team using **Sqoop** to export data into **HDFS** and **Hive**
- Collaborated with BI teams to ensure data quality and availability with live visualization.
- Created **HIVE** Queries to process large sets of structured, semi-structured and unstructured data and store in External tables. Shared responsibility and assistance for administration of **Hadoop, Hive ,Sqoop** in team. Shared the knowledge of Hadoop concepts with team members.

Project: DSDD Tool – Requirements Analysis

Client: Client Network Services, Michigan-United States

Environment: Spring MVC, Java 7, Maven3, Apache Lucene, JBoss7.1, Oracle 11g, Eclipse, Linux

Project Details:

     The various subsystem authors to create, maintain and update thousands of pages for MITA business use cases. This design scope introduces several risk factors to do manual process. To overcome this problem, we have developed our own product called D3T to provide a solution to generate the design document. Also tracking the RTM, generating the test cases and import/export the documents /images.

Responsibilities:
- ❖ Technical Lead of the team.
- ❖ Designed **Architecture** diagram for business solution requirements. Created **work product** specification for each subsystems which caters simple and complex model.
- ❖ Developed generic component for **Requirement** Document **Parser** across the organization level.
- ❖ Coded business logic following **MVC** architecture using delegate and patterns.
- ❖ **Tenant** based report is generated for each business area and displayed in our dashboard to get more idea about requirements. **Apache Lucene** based searching the work product with tenant based data approach.

Project: Digital Goods Enhancement – Price Analysis

Client: PayPal, California-United States

Environment: Java 1.5, Maven3, MySql, JSoup, RabbitMQ, Redis, Eclipse, Hadoop, HBase, MapReduce.

Project Details:

     Big Data scale Content aggregation platform that - crawls, processes, stores and indexes - millions of URLs, which are stored in Hbase and processed via MapReduce - for competitor analysis, price trends, new product launch, new offers, discounts.

Responsibilities:
- ❖ Played the role of Team Lead.
- ❖ I have been involved in analysis and resolution of production issues related to **Digital Goods**, **Adaptive Payment** checkout flows.
- ❖ Installed and configured Hadoop **MapReduce**, **HDFS**, **Hbase**, developed multiple Map Reduce jobs in java for data cleaning and processing.
- ❖ First & second job, using **Jsoup** able to pull the millions of url from competitor websites and stored in the **Hbase** table with indexing each url with pricing elements in **Elastic Search**.
- ❖ Third job, fetch those urls and push to **RabbitMQ** Queue and start processing each message are indexed and stored in Hbase for othersystem Price team start using it for **Pricing Analysis**.

Project: Digital Goods - e-Commerce - Payment System

Client: PayPal, California-United States

Environment: Spring Webflow 2.5, Java 1.7, Maven3, JBoss7.1, Oracle 11g, Eclipse, Hudson, JIRA, Sonar.

Project Details:

    "Digital goods" are defined as any good that is delivered in an electronic format, including the subset of virtual goods. This is inclusive of but is not limited to, e-books, music files, software, digital images, and manuals in electronic format, as well as virtual goods that may be sold in the context of a game. The products of which projects are as under several Compliance, BML and Facebook Merchant Integration.

Responsibilities:
- ❖ Played the role of Application Delivery.
- ❖ Responsible for analyzing the business **requirements** and convert them in to technical requirements and **propose appropriate solution.** Code review, **code coverage** review, **security violations**.
- ❖ Define application **high level design**, support & guide the team for **low level design** and provide reference implementation for the project.
- ❖ Generated the dashboard to management for the different type of errors reported by the system by analyzing the **centralized application logs**.

Project: PagamentiRb (Payment Remote Banking) – Banking - Payment System

Client: Gruppo Banca Sella, Italy

Environment: H2O Framework (like Struts), Java 5, JSP2.0, Shell Script, Struts 1, Hibernate, Weblogic 9.2, PL/SQL, Ant, Eclipse 3.5, EJB2.x, Linux.

Project Details:

PagamentiRB(Pagamenti Remote Banking) means Transfer Of Payment Orders, which involves processing in Bulk, of payment orders, of remote banking customers. Processing of the orders involves debiting the Customers Account and Crediting the Internal Account of the Beneficiario's Bank.

Responsibilities:
❖ Played the role of a Software Engineer.
❖ Requirement gathering, technical design, development, unit testing.
❖ Developed web based presentation using JSP and implemented MVC pattern using Companies customized framework "STATEMACHINE". Used session facade pattern to abstract entity beans thus avoiding multiple calls to the EJB Container.

Project: Bonifici (Fund Transfer) – Banking - Payment System

Client: Gruppo Banca Sella, Italy

Environment: H2O Framework (like Struts), Java 5, JSP2.0, EJB2.x, Shell script, Ant, Weblogic 9.2, PL/SQL, Eclipse 3.3, Linux

Project Details:

The Bonifici system permits the transfer of funds against an order of debit on the account of the applicant client in favour of a beneficiary that can be domiciled at the same bank or in another institute, in Italy or abroad. Symmetrically the procedure permits the processing of funds coming from the client of other applicant bank in favour of a beneficiary domiciled with us.

Responsibilities:
❖ Played the role of a Developer.
❖ Development, testing, code review and release.
❖ Implemented DAO and various model and view objects.
❖ Handled the application builds and deployments on the Weblogic server using ANT scripts

SCHOLASTICS

Year of Passing	Board	Institute	Marks
May 2012	M.B. A	Vinayaka Missions University, Salem	77%
May 2006	B. E	Lord Venkateshwara Engg. College, Kanchi (Anna University)	78%
March 2002	H.S.L.C	Velammal Mat Hr. Sec School, Chennai	87%

PROFESSIONAL CREDENTIALS

February 2013   : Completed Certification of Programming HTML5 with JavaScript and CSS3 (MCSD)
February 2010   : Completed Certification of Oracle PL/SQL Developer (OCA) - OC0857653
February 2010   : Completed Certification of Web Component Developer (SCWCD 5) - SR3515756
February 2008   : Completed Certification of Java Programmer (SCJP 5.0) - SR3515756

PERSONAL DETAILS

Full Name   : Rajeshkumar Elumalai
Date of Birth   : 30th December 1984
Address   : No. 8, Seeyathammal Nagar, Water Canal Road, Korattur, Chennai-600080
PassPort No   : G5553541
PanCard Number: AMSPR4558E

DECLARATION

I hereby declare the above furnished information is correct and true to the best of my knowledge.

Place :   Chennai
Date :

(E.Rajeshkumar)