AKSHAY THALI

Professional Experience Summary

- **4.4** years of experience in **Analysis, Design, Development, Testing, Implementation and Maintenance** of **Web Technology and Big Data Applications**.
- **Experience in Retail domain, Security Intelligence and Analytics.**
- **Strong** knowledge and experience in **Object Oriented concepts**.
- Experience in developing **big data** application with **Apache Hadoop, Apache Spark, Apache Kafka, Apache Flume, Map Reduce, Apache Hive, Apache Pig, Sqoop**.
- Expert in using Shell Commands like **awk**, **grep, cat, find** etc. for Hadoop Testing.
- Experience in developing applications with **Spring 3.0 MVC, MyBatis** and **REST** web services**.**
- Experience in using **Cloudera Manager Environment CDH-5.4.5**.
- Experience in **Maven 2.0.9, Maven 3.0.5** as build tool.
- Have habit of daily **scrum** for project development.
- Used to **Agile** methodology for project development.
- Experience on **Struts1.x.**
- Strong experience in working with Application Servers like **Apache Tomcat, JBoss**.
- Strong working experience with IDE's - **Eclipse 3.x, Eclipse 4.x, STS, NetBeans 8.0.2**.
- Experience in developing Java based Application using various **relational databases like MySQL.**
- Experienced in **Unit Testing, Integration Testing** and generating Test cases for web applications.
- Experience in Continuous Integration Environment like **SVN**.
- Good team player with excellent communication, analytical, written and presentation skills with strong attitude towards learning new technologies.
- Experience in working on Mac OS X, Centos 6.6, Windows.

Professional Experience:

Working as a Sr.Software Developer at Securonix India (Dec 2014 - Till Date).
Previous Employer : Sears Holdings Corporation,India (Experience - 3.3 years)

Project Details:

Project #1

- **Title**   :   Securonix Security Intelligence Platform (Snyper)
- **Duration**   :   From last 12 months Till date
- **Description**   :   The Securonix Platform is a purpose-built advanced security analytics technology that mines, enriches, analyzes, scores and visualizes customer data into actionable intelligence on the highest risk threats from within and outside their environment.Securonix is able to automatically and accurately detect the most advanced data security, insider threats and fraud attacks.SNYPER product is designed to deal with huge amount of log events which are generated on daily basis,process this events get value data apply intelligence and analytics to get desirable results.

- **Responsibilities:**
- ➢ Participated in Collection of requirements and analysis with the clients. Prepared Low level design document and technical documents etc.
- ➢ Developed the application features using **JDK 1.7**/**JDK 1.8.**
- ➢ Used **Cloudera CDH 5.4.5** where all the required components/services were installed and managed(Hadoop 2.7.0,Kafka 0.8.2,Spark 1.3,Zookeeper etc.).

- Involved in **POC** for setting up the Cloudera Environment, adding Services to it (Hadoop,Kafka etc.), coding for Kafka Spark connectivity,exploring Spark,Kafka,Flume.
- Involved in preparing use cases, test scenarios and test cases for how the big data technologies can be well suited in the product.
- Used **Apache Kafka** for consuming large amount of logs generated daily.These logs are collected under Kafka topics which holds the raw events.
- Used **Apache Spark** for data processing the events and applying analytics.Use of Kafka-Spark Streaming to get the data from Kafka topics to Spark and then applying required logic and storing it to HDFS.
- Used **Apache Flume** also used in some cases to consume data from different sources and then bringing it to centric location in particular format.
- POC for using REST web services to utilize the API's provided by Cloudera to get useful information regarding the process stats for applications submitted or running in yarn.
- Providing UI team the utility methods to display results of analytics on UI.
- Involved in **unit testing, integration testing** and **maintenance** of the system.

Project #2

- **Title**   :   Dynamic Pricing (Kmart Restriction Process)
- **Duration**   :   14 months
- **Description**   :   Kmart Restriction Process allows merchants to specify price adjustment restrictions on existing Kmart promotions. The tool enables the merchant to keep the track of the recent promotions if the merchant feels that the rule/restriction for the price criteria needs to be changed then he can update that from the UI side. For the Batch process the data from the IMPACT system (for Kmart) is processed for generating the promotions between next 6 weeks. Various criteria's are taken care to generate the price restrictions.

- **Responsibilities:**
- Participated in Collection of requirements and analysis with the clients. Prepared Low level design document and technical documents etc.
- Developed the application features using **JDK 1.6.**
- Used **Spring MyBatis** as ORM solution.
- Used **jQuery**, javascript APIs for presentation layer (which helped in AJAX, client-side validations)
- Developed **SQL** queries (DDL & DML).
- Involved in **unit testing, integration testing** and **maintenance** of the system.
- Developed a **Pig Script** to process the data to generate price restriction columns.
- Developed a **UDF** to compare the values of different columns and generate the correct result for resulting price restriction column.

Project #3

- **Title**   :   DEJ (Digital Experience Journey)
- **Duration**   :   10 Months
- **Description**   :   DEJ (Digital Experience Journey) is Price Audit component of Digital Electronic Journey – Ad Set. This is a batch process to build a list of random items per store and provide it to the DEJ Price Audit application. The Store members will carry the handheld devices for ex. iPad /Tabs etc. on which the DEJ Price Audit application is hosted, the DEJ process will provide the audit data to this application. The Price Audit app will make final determination of items to be selected, based on the stores' past compliance and other parameters.

- **Responsibilities:**
- Collected required information regarding various tables from different data sources such as MySQL,

Teradata and DB2.

➢ Developed apache **Pig Script** to process the data coming from different data sources brought data at common HDFS location and processed it.
➢ Developed the **Sqoop scripts** to bring data from MySQL and DB2 to HDFS.
➢ Developed **Fast Export** and **BTEQ** scripts to bring data from Teradata to HDFS.
➢ Developed a **UDF** to perform padding operations on some of the columns in table and for the random selection.
➢ Transitioned the project to Support team and created the **DOU(Document of understanding)**.
➢ Created **Unit test cases** and test execution logs.

Project #4

- **Title**   :   BOSS (Brand Ordering Support system)
- **Duration**   :   10 Months
- **Description**   :   BOSS (Brand Ordering Support System) is a web based application which caters to the ordering needs of the Sears vendors domestically and internationally. Vendors create/edit and manage their purchase orders, data entries for invoices, shipping details etc. and submit the vouchers through this application. The application also provides functionality to the vendors to manage the locations and contacts of their customers.

- **Responsibilities:**
➢ Participated in Collection of requirements and analysis with the clients. Prepared Low level design document and technical documents etc.
➢ Developed the application features using **JDK 1.6.**
➢ Used **Spring 2.x** for dependency injection, presentation layer, persistence layer.
➢ Used **Spring MyBatis** as ORM solution.
➢ Used **jQuery,** javascript APIs for presentation layer (which helped in AJAX, client-side validations)
➢ Developed **SQL** queries (DDL & DML).
➢ Involved in **unit testing, integration testing** and **maintenance** of the system.

Academic Details

- **P.G. Diploma** from **CDAC (Center for Development of Advanced Computing)** with **65%(Jun. 2011)**
- **Bachelor's Degree** in Computer Engineering from GSMCOE Pune University, Maharashtra, with **65%(Jun. 2010)**
- **HSC** from Maharashtra State Board with **78.83%(Mar. 2006)**
- **SSC** from Maharashtra State Board with **81.06%(Mar. 2004)**

Contact Details

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