**Jatin Kumar**

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**Professional Summary:**

* 7+ years of total IT experience with over **2+ years** of experience **with Apache Hadoop Map Reduce programming, PIG Scripting** and **Distribute Application** and **HDFS** and over 5 **years** of experience **in Java/J2EE Technologies**, including Object Oriented Design and analysis**, programming in Java and in Relational Databases.**
* **CCDH-410 (Cloudera Certified Developer for Apache HADOOP) certified.**
* In depth understanding and usage of **Hadoop Architecture frameworks** and various components such as **HDFS, Job Tracker, Task Tracker, Name Node, Data Node** and map Reduce concepts.
* Experience in analyzing data using **Hive QL** and **Pig Latin.**
* Experience in developing **Map Reduce Programs** using Apache Hadoop for analyzing the big data as per the requirement.
* Experience in working on various phases of **Software Development Life Cycle**.
* Experience in working on **ETL** tools like **SSIS**. Knowledge of data warehousing techniques and predictive modeling using **SAS.**
* **Strong experience** in writing **shell scripts** in Linux.
* Knowledge in extending **Hive** and **Pig** core functionality by writing custom UDFs.
* Experience in importing and exporting data using **Sqoop** from HDFS to Relational Database Systems and vice-versa.
* Experienced in job workflow scheduling and monitoring tools like **Oozie** and **Zookeeper.**
* Experience of **NoSQL databases such as HBase, Cassandra, mongoDB and Impala**
* Experience in Apache **Flume** for collecting, aggregating and moving huge chunks of data from application servers.
* Experience working with **Hortonworks** and **Cloudera** environments.
* Extensive experience as Java Developer with hands-on in advanced J2EE technologies such as **Spring, Struts, Hibernate, Servlets, JSP, JBOSS, JavaScript** and **JDBC**.
* Experience in web-based languages such as HTML, CSS, PHP, XML and other web methodologies including Web Services and SOAP.
* Extensive experience working in **Oracle**, **DB2**, **SQL Server** and **My SQL** database.
* Core Java expertise, extensive design and coding skills in Java applications.
* Excellent experience in using development environments like Eclipse.
* Excellent communication, interpersonal and analytical skills and a highly motivated team player with the ability to work independently.
* Able to learn and adapt quickly to the emerging new technologies and paradigms.

**Technical Skills**

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| **Big Data Ecosystem** | Hadoop, MapReduce, YARN, HDFS, Pig, Hive, HBase, Oozie, Zookeeper, Storm, Kafka, Spark |
| **Programming Languages** | C, Java, Java Collections, Python, SQL, PL/SQL, Shell Scripting |
| **Web Development** | HTML, Java Script, XML, PHP, JSP, Servlets, JavaScript |
| **Web/Application server** | Apache Tomcat, WebLogic, WebSphere |
| **Tools** | Eclipse, NetBeans |
| **RDBMS** | Oracle, SQL Server 2000/2005/2008, IBM DB2, My SQL, MS Access |
| **Operating Systems** | Windows XP/Vista/7/8, UNIX, Linux |

**Professional Experience:**

**Client: Alcon Pharmaceuticals, Fort Worth, TX. Apr 14 – Till Date**

**Role: Sr. Hadoop Developer**

Alcon develops and manufactures innovative medicines and devices to serve the full life cycle of eye care needs. Alcon offer the broadest spectrum of surgical, pharmaceuticals and vision care products to treat many eye diseases and conditions. . Alcon educate physicians about the latest technologies and how to use them, and work with non-profit organizations to bring eye treatment to places where it doesn’t yet exist.  Alcon believe patients should have access to quality eye care regardless of their economic circumstances.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle.
* Installed and **configured Hadoop Map Reduce**, HDFS and developed multiple Map-Reduce jobs in java for data cleansing and preprocessing.
* Knowledge on handling Hive queries using **Spark SQL** that integrate with Spark environment.
* Experienced in moving data from Hive tables into **Cassandra** for real time analytics on hive tables
* 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.
* Analyzed the data by performing Hive queries and running Pig scripts to know user behavior
* Used **Kafka** to load data in to HDFS and move data into NoSQL databases(cassandra)
* Supported Map Reduce programs those are running on the cluster.
* Handled importing of data from various data sources, performed transformations using **Hive**, **MapReduce**, loaded data into **HDFS** .
* Worked extensively with Sqoop for importing metadata from Oracle
* Configured **Sqoop** and developed scripts to extract data from MySQL into HDFS
* Hands-on experience with production Hadoop applications viz. administration, configuration management, monitoring, debugging and performance tuning
* Created **HBase** tables to store various data formats of PII data coming from different portfolios
* Trained and mentored analyst and test team on Hadoop framework, HDFS, Map Reduce concepts, Hadoop Ecosystem

**Environment:** Hadoop, MapReduce, HDFS, Hive, Java, SQL, Cassandra, Cloudera Manager, Pig, Apache Sqoop, Oozie, PL/SQL, MySQL, Windows.

**Client: Zyno Medical, Natick,** **MA. Jan 13 – Mar 14**

**Role: Hadoop Developer**

Zyno medical is one of the leading manufacturer and supplier of Infusion Pump, a wireless device frequently used in hospitals to monitor patient’s health condition and infuse drugs and other food particles into patient’s body. The log files generated by these systems were decided to be maintained in Hadoop cluster for further analysis.

**Responsibilities:**

* Installed and configured Apache Hadoop to test the maintenance of log files in Hadoop cluster.
* Developed Java **MapReduce programs** for the analysis of sample log file stored in cluster.
* Involved in the installation of CDH3 and up-gradation from CDH3 to CDH4.
* Developed Map Reduce Programs for data analysis and data cleaning.
* Experienced in using **Cassandra** Query Language (CQL) to perform analytics on time series data
* Developed **PIG Latin scripts** for the analysis of semi structured data.
* Used **Hive and created Hive tables** and involved in data loading and writing Hive UDFs.
* Used **Sqoop** to import data into HDFS and Hive from other data systems.
* Utilized **Storm** for processing large volume of datasets.
* Migration of ETL processes **from Oracle** to **Hive** to test the easy data manipulation.
* Developed **Hive queries** to process the data for visualizing.
* Installed **Oozie workflow** engine to run multiple Hive and Pig Jobs.

**Environment:** ApacheHadoop, HDFS, Cloudera Manager (CDH3, CDH4), Java, MapReduce, Eclipse, Hive, PIG, Sqoop, Oozie, SQL and Windows.

**Client: Grand Bank of Texas, TX. Sep 11 – Dec 12**

**Role: Java/J2EE Developer**

Grand Bank of Texas is a locally owned and operated independent community bank. Was part of the development team that developed a J2EE based system application for automating the entire loan and credit processing workflow from the point of creation through commitment letter generation.

**Responsibilities:**

* Developed the application using **Struts** Framework that leverages classical **Model View Controller** (MVC) architecture.
* **UML diagrams** like use cases, class diagrams, interaction diagrams, and activity diagrams were used.
* Participated in requirement gathering and converting the requirements into technical specifications.
* Extensively worked on User Interface for few modules using **JSPs and JavaScript**.
* Wrote complex **SQL** queries and stored procedures.
* Developed the **XML Schema** and **Web services** for the data maintenance and structures.
* Implemented the Web Service client for the login authentication, credit reports and applicant information using **Apache Axis 2 Web Service**.
* Responsible to manage data coming from different sources.
* Got good experience with **NoSQL database**.
* Used **Hibernate** ORM framework with **spring** framework for data persistence and transaction management.
* Used **struts** validation framework for form level validation.
* Wrote test cases in **Junit** for unit testing of classes.
* Involved in templates and screens in **HTML** and **JavaScript**.
* Provided Technical support for production environments resolving the issues, analyzing the defects, providing and implementing the solution defects.
* Built and deployed **Java** applications into multiple **UNIX** based environments and produced both unit and functional test results along with release notes.

**Environment:** Java, Struts, Hibernate, Spring Framework, Model View Controller Architecture, UML diagrams, JSPs, JavaScript, Java APIs, Servlets, Web logic server, SQL, XML, Apache Axis 2 web service, NoSQL database, Oracle 9i database, Junit, HTML, JavaScript, WSDL, UDDI, Eclipse, Windows.

**Client: Quintiles, Raleigh, NC. Nov 10 – Aug 11**

**Role: J2EE Developer**

Quintiles is the world’s leading provider of biopharmaceutical services. With a network of 29,000 employees conducting business in approximately 100 countries, Quintiles has helped develop or commercialize all of 2012/13’s top 100 best-selling products or compounds. Using our extensive therapeutic, scientific and analytics expertise, we help biopharmaceutical and health sciences customers navigate the increasingly complex landscape with more predictability to enable better outcomes.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle.
* Configured Struts framework to implement MVC design patterns
* Designed and developed GUI using **JSP, HTML, DHTML and CSS**.
* Used **XML for ORM** mapping relations with the java classes and the database.
* Worked in Analysis, Design and Coding for client developmentusingJ2EE stack using Eclipse platform.
* Involved in creating web-based java components like client Applets and client side UI using JFC in Eclipse.
* Developed **PL/SQL stored procedures** to perform complex database operations.
* Generated the Hibernate XML and Java Mappings for the schemas.
* Used Rational Application Developer (RAD) as Integrated Development Environment (IDE).
* Extensively used **Core Java, Servlets, JSP and XML**.
* Used Struts in presentation tier.
* Used Subversion as the version control system.
* Played key role in the design and development of application using **J2EE, Struts, spring**
* Used Oracle Web logic workshop to generate the Web service artifacts from the given WSDL for JAX-WS specification.

**Environment:** Java, Struts, Servlets, spring, Tomcat, Hibernate, HTML, JSP, XML, SQL, J2EE, Junit, Oracle 11g, Windows.

**Company: CMC, India. Jul 09 – Oct 10**

**Role: Java Developer**

CMC Limited is an Information Technology services, consulting and software company having its Headquarters in [New Delhi](http://en.wikipedia.org/wiki/New_Delhi), India.  CMC is part of the [TATA Group](http://en.wikipedia.org/wiki/TATA_Group) and is owned by [Tata Consultancy Services](http://en.wikipedia.org/wiki/Tata_Consultancy_Services).

**Responsibilities:**

* Analyze the specifications provided by the clients.
* Involved in development of full new agent.
* Involved in analysis and finding the root cause of failing an agent.
* Once the root cause is found out, need to find the proper solution for that so that it will not fail in future again.
* Wrote various SQL, PLSQL queries and stored procedures for data retrieval
* Involved in analysis of migration of SAX to DOM in application.
* Prepared utilities for the Unit -Testing of Application Using JSP and Servlets
* Giving support to SIT, UAT and Production Issues

**Environment:** Java 1.4, JSP, EJB, spring, Servlets, Oracle10g, Eclipse, PL/Sql Developer, Toad, GIT

**Company: InterraIT, India. Oct 07 – Jun 09**

**Role: Jr. Java Developer**

InterraIT Limited is an Information Technology services, consulting and software company having its Headquarters in [Noida](http://en.wikipedia.org/wiki/New_Delhi) NSEZ, India.  It was founded by Mr. Ashok Laha in 1996 and provides IT/ITES services to various businesses across the world.

**Responsibilities:**

* Created browser-based application that provides flexibility for sales force to create and edit presentations while maintaining control over the appearance.
* Design and integration of **Struts, Flash, XML, XSL, Tomcat, Web Services, JSP, Junit, and MySQL, Oracle 9i, PostgreSQL 7.1**
* Development **of J2EE EJBs, Servlets, JSP, Applets, and Java Beans** for financial internet/intranet application running on WebLogic 7.1 application server and Oracle 9i.
* Project initiated with Enterprise Architect for UML object design.
* **Oracle 9i schema design**, creation of table spaces, accounts, synonyms and data import/exports.
* Developed Web services for financial extranet, that generate real time portfolio reports, using Perl, Java, XSL and WAP.
* WebLogic (Integration) workflow applications design and development.

**Environment**: Java , WebLogic, Struts, JSP, JSTL, Linux, Servlets, Applets, Apache Axis, Tomcat, Apache, MySQL, Oracle 9i, CVS.

**Education:** Bachelor of Engineering in Computer Science, India.

**References:** Will be provided upon Request.