****

**Ajay Chander**

|  |  |
| --- | --- |
| **CERTIFIED HADOOP DEVELOPER**  **License: 100-012-464** | **Email**: ajaychander67@gmail.com  **Phone**: (224) 401-3377 |

**Professional Summary**

* Over 7+ years of total IT experience including **2 years 8 months** in **Hadoop** and **BigData technologies.**
* Strong experience in using **Hadoop eco-system** components like **HDFS, MapReduce, Oozie, Pig, Hive, Sqoop, Flume, Kafka, Impala, HBase, Zookeeper.**
* Excellent understanding of both **Classic MapReduce**, **YARN and** their applications in BigData Analytics.
* Experience in working with **Spark and Storm.**
* Experience in installing, configuring and maintaining the Hadoop Cluster including YARN configuration using **Cloudera**, **Hortonworks**.
* Experience in benchmarking Hadoop Cluster to tune and obtain the best performance out of it.
* Familiar with all stages of **Software Development Life Cycle**, **Issue Tracking**, **Version Control** and **Deployment**.
* Extensively worked in writing, tuning and profiling jobs in **MapReduce, Advanced MapReduce** using **Java**.
* Experience in writing **MRUnit** to test the correctness of MapReduce programs.
* Expertise in writing **Shell-Scripts**, **Cron Automation** and **Regular Expressions**.
* Hands on experience in dealing with Compression Codecs like **Snappy, BZIP2**.
* Implemented workflows in **Oozie** using Sqoop, MapReduce, Hive and other Java and Shell actions.
* In-depth knowledge of working with **Avro** and **Parquet** formats**.**
* Excellent knowledge of Data Flow Lifecycle and implementing transformations and analytic solutions.
* Extending Hive and Pig core functionality by writing **Custom UDF**s.
* Expertise in creating **Custom Serdes** in **Hive**.
* Excellent knowledge in **NoSQL** databases like **HBase, Cassandra** and **MongoDB**.
* Expertise in implementing **Data-Mining** techniques like social network analysis and sentiment analysis.
* Good Knowledge in importing/exporting data into **R objects** to other formats and **Text-Mining** with **R**.
* Working knowledge in **Data Warehousing** with **ETL** tools like IBM - DB2 Warehouse Edition.
* Extensively worked on **Database Applications** using DB2, Oracle, MySQL, PL/SQL.
* Hands on experience in application development using **Java**, **RDBMS**.
* Strong experience as a senior Java Developer in **Web/intranet, Client/Server** technologies using **Java, J2EE, Servlets, JSP, EJB, JDBC.**
* Expertise in implementing Database projects which includes Analysis, Design, Development, Testing and Implementation of end-to-end IT solutions.
* Worked on End-To-End implementation with Data warehousing team and Strong understanding of Data Warehousing concepts and exposure to Data Modeling, Normalization and Business Process Analysis.
* Experience in **Object Oriented Analysis, Design** (OOAD) and development of software using UML Methodology, good knowledge of **J2EE design patterns** and **Core Java design patterns**.
* Excellent working knowledge of popular frameworks like **Struts, Hibernate,** and **Spring MVC**.
* Experience in **Agile Engineering** practices. Excellent interpersonal and communication skills, creative, research-minded, technically competent and result-oriented with problem solving and leadership skills.

**Skills**

|  |  |  |
| --- | --- | --- |
| * **Big Data Technologies** | **:** | * Hadoop, MapReduce, YARN, Pig, Hive, HBase, Flume, Storm, Kafka, Sqoop, Impala, Oozie, Zookeeper, Spark, Ambari, Mongo-DB, Cassandra, Avro, Parquet, Maven, Ant, Snappy, Bzip2. |
| * **JAVA / J2EE Technologies** | **:** | * Java, Java Beans, Struts, Hibernates, J2EE (JSP, Servlets, EJB), SOA, JDBC, Spring. |
| * **DB Languages** | **:** | MySQL, PL/SQL, Oracle, DB2. |
| * **Operating Systems** | **:** | UNIX / LINUX, MS-DOS, Windows-XP/7/8/Vista, Mac. |
| * **Other Programming Languages, Tools** | **:** | C, C++, .NET in C#, R, PYTHON, HTML5, JS, JSON, PHP, AJAX, XML, Visual Studio 2010, D2L(LMS). |
| * **Additional skills** | **:** | Proficient in Microsoft Office tool, JIRA and Prezi. |

# Experience

**Nike, Inc.**

**Beaverton, OR**

**Hadoop Developer**

**Jan 2014-Present**

* Involvement in design, development and testing phases of **Software Development Life Cycle**.
* Involved in setting up the Hadoop cluster along with Hadoop Administrator.
* Installed and configured **Hadoop Ecosystem** components.
* Responsible for requirements gathering and performing real time analytics on the incoming data.
* Imported the data from Oracle source and populated it into **HDFS** using **Sqoop**.
* Developed a data pipeline using **Kafka** and **Storm** to store data into HDFS.
* Automated the process for extraction of data from warehouses and weblogs by developing work-flows and coordinator jobs in **OOZIE**.
* Performed transformations like event joins, filter bot traffic and some pre-aggregations using **Pig.**
* Developed MapReduce jobs to Convert data files into **Parquet** file format.
* Included **MRUnit** to test the correctness of MapReduce programs.
* Executed **Hive** queries on Parquet tables to perform data analysis to meet the business requirements.
* Implemented a **POC** with **Spark** **SQL** to interpret complex **Json** records.
* Created table definition and made the contents available as a **Schema-BackedRDD**.
* Developed business specific **Custom UDF's** in Hive, Pig.
* Optimizing MapReduce code, pig scripts and performance tuning and analysis.
* Exported the aggregated data onto **Oracle** using **Sqoop** for reporting on the **Tableau** dashboard.

**Environment:** CDH,Eclipse,Centos Linux, HDFS, MapReduce, Kafka, Storm, Parquet, Pig, Hive, Sqoop, Spark, Oracle, Oozie, RedHat Linux, Tableau.

**BCBSM**

**Detroit, MI**

**Hadoop Developer**

**Jul 2012 - Dec 2013**

* Involved in **installing cluster** and Configuring **Hadoop Ecosystem** components.
* Worked with Hadoop administrator in rebalancing blocks and decommissioning nodes in the cluster.
* Responsible to manage data coming from different sourc**e**s**.**
* Extracted the data onto HDFS using **Flume, Kafka**.
* Imported and exported data using **Sqoop** to load data from **RDBMS** to **HDFS**  and vice versa, on regular basis.
* Developed, Monitored and Optimized **MapReduce** jobs for data cleaning and preprocessing.
* Built data pipeline using **Pig** and **MapReduce in Java**.
* Implemented MapReduce jobs to write data into **Avro** format.
* Automated all the jobs for pulling the data and to load into **Hive** tables, using **Oozie** workflows.
* Used **Hive** to analyze the **partitioned** and **bucketed** data and compute various metrics for reporting on the dashboard.
* Developed **custom Serde's** specific to the requirement in Hive.
* Implemented Pattern matching algorithms with **Regular Expressions**, built profiles using **Hive** and stored the results in **HBase**.
* Used **Maven** to build the application.
* Implemented Unit Testing using **MRUnit**.

**Environment**: HDP, HDFS, Flume, Kafka, Sqoop, Pig, Hive, MapReduce, HBase, Oozie, MRUnit, Maven, Avro, RedHat Linux, RDBMS.

**Century Links**

**Denver, CO**

**Java/J2EE Developer**

**Aug 2010 to Jun 2012**

* Responsible for Analysis, Design, Development and Integration of UI components with backend using **J2EE technologies** such as **Servlets**, **Java Beans**, **JSP**, **JDBC**.
* Used **Spring Framework** 3.2.2 for transaction management and **Hibernate3** to persist the data into the database.
* Developed JSP's for user interfaces, JSP's uses Java Beans objects to produce responses.
* Created controller Servlets for handling HTTP requests from JSP pages.
* Writing **JavaScript** functions for various validation purposes.
* Implemented the presentation layer using **Struts2** MVC framework.
* Designed HTML Web pages utilizing JavaScript and CSS.
* Involved in developing distributed, transactional, secure and portable applications based on Java using **EJB** technology.
* Deployed web applications in web-logic server by creating Data source and uploading jars.
* Created connection pool, Configured deployment descriptor specifying data environment.
* Implemented Multithread concepts in Java classes to avoid deadlocking.
* Involved in High Level Design and prepared Logical view of the application.
* Involved in designing and developing of Object Oriented methodologies using UML and created Use Case, Class, Sequence diagrams and also in complete development, testing and maintenance process of the application.
* Created Core java Interfaces and Abstract classes for different functionalities.

**Environment:** Java /J2EE, CSS, AJAX, XML, JSP, JS, Struts2, Hibernate3, Spring Framework 3.2, Web Services, EJB3, Oracle, J-Unit, Windows XP, Web-logic Application Server, Ant 1.8.2, Ecplise3.x, SOA tool.

**Virtusa Corporation**

**Hyderabad, AP, India**

**Java Developer**

**Feb 2008 - Jul 2010**

* Extensively involved in the design and development of **JSP** screens to suit specific modules.
* Converted the application’s console printing of process information to proper logging technology using log4j.
* Developed the business components (in core Java) used in the JSP screens.
* Involved in the implementation of logical and physical database design by creating suitable tables, views and triggers.
* Developed related procedures and functions used by **JDBC** calls in the above components.
* Extensively involved in performance tuning of **Oracle** queries.
* Created components to extract application messages stored in **xml** files.
* Executed **UNIX** shell scripts for command line administrative access to oracle database and for scheduling backup jobs.
* Created war files and deployed in web server.
* Performed source and version control using **VSS**.
* Involved in maintenance support.

**Environment**: JDK, HTML, JavaScript, XML, JSP, Servlets, JDBC, Oracle 9i, Eclipse, Toad, Unix Shell Scripting, MS Visual SourceSafe, Windows 2000.

**Education**

**Bachelor of Technology**, Major: Information Technology