

Senior Cassandra Developer Senior Cassandra Developer Senior Cassandra Consultant - (Cassandra64129@gmail.com) Austin, TX Rajesh K Phone: 443-598-2899 Email Id: cassandra64129@gmail.com Note: Available only for Corp-Corp Projects Professional

Summary: Over 8+ years of professional IT experience in Big Data Technologies and Data Analysis with 4+ years of hands-on experience in development and design of applications in Java and its related frameworks. Experienced in installing, configuring and monitoring the Datastax Cassandra Cluster, DevCenter and OpsCenter. Excellent understanding of Cassandra Architecture and management tool like OpsCenter Commendable knowledge on read and write processes, including SSTables, MemTables and Commitlog Experience with querying on data present in Cassandra cluster using CQL (Cassandra Query Language) Used DataStaxOpsCenter and nodetool utilities to monitor the cluster. Experience in taking the data backups through nodetool snapshots. Experience in moving the SSTables data on to the live cluster . Experience in using Sqoop to import the data on to Cassandra tables from different relational databases Tested the application and the cluster with different consistency levels to check for the writes and reads performance with respective to Consistency Level. Experience in Importing data from various sources to the Cassandra cluster using Java API s Experience in data modeling of Cassandra. Experience in creating tables involving collections,TTLs,counter,UDTs as part of data modeling. Knowledge of Hadoop Ecosystem. Good experience in using Elastic Map Reduce on Amazon Web Services (AWS) cloud for supporting data analysis projects. Basic Knowledge of Spark and SCALA programming Knowledge of managing and scheduling backup and restore operations Experience in benchmarking Cassandra Cluster using Cassandra stress tool Developed wrapper applications involving File I/O processing, Data Mining using python Read data from local files, XML files, excel files and involved in Input Output Processing using different packages in python Experience in python, Jupyter, Scientific computing stack (numpy,scipy,pandasand matplotlib) Good experience in all the phases of Software Development Life Cycle (Analysis of requirements, Design, Development, Verification and Validation, Deployment) Hands on experience in application development using Java, .NET, RDBMS, and Linux shell

scripting. Experience working with JAVA J2EE, JDBC, ODBC, Servlets. Experience using Eclipse, Visual Studio and DBMS like Oracle, MYSQL and SQL Server. Evaluate and propose new tools and technologies to meet the needs of the organization. Good knowledge in Unified Modeling Language (UML) and Agile Methodologies. Excellent team player, self-starter with effective communication skills. Work Experience Senior Cassandra Developer VISA - Austin, TX January 2015 to Present Rajesh K Phone: 443-598-2899 Email Id: cassandra64129@gmail.com

Responsibilities:

Have complete knowledge and understanding with Cassandra Architecture. Responsible for building scalable distributed data solutions using Datastax Cassandra. Involved in business requirement gathering and proof of concept creation. Created the necessary keyspaces and modeled column families based on the queries. Involved in Hardware installation and capacity planning for cluster setup. Involved in the hardware decisions like CPU, RAM and disk types and quantities. Worked with the Linux admin team to set up, configure, initialize and troubleshoot a Cassandra cluster. Wrote and modified YAML scripts to set the configuration properties like node addresses, replication factors, memTable size and flush times etc. Used the Datastax Opscenter for maintenance operations and Keyspace and table management. Experience in working with cluster management tool like nodetool. Involved in taking the data backups through nodetool snapshots. Involved in moving the SSTables data on to the live cluster. Restoring the backups through sstableloader tool in Cassandra. Generated SSTables from csv file with the help of SSTableSimpleUnsortedWriter class in Java. Used Sqoop to import the data on to Cassandra tables from different relational databases like Oracle, MySQL. Tested the application and the cluster with different consistency levels to check for the writes and reads performance with respective to Consistency Level. Monitoring the Cassandra cluster with the help of Visualization management tool, OpsCenter. Familiar with all the internal tools of Cassandra. Involved in POC related to Spark Application using SCALA as programming language. Basic Knowledge of Spark and SCALA. Basic knowledge of Cassandra-Spark connector to load data to and from Cassandra. Loading the data to Cassandra Cluster with the help of Java API. Involved in data modeling the

tables in Cassandra. Good knowledge of data modeling techniques in Cassandra. Finding and resolving the issues that caused in the environment. Analyzed the log files to determine the flow of the application and to solve issues. Knowledge on using Solr for indexing. Environment: Datastax 4.7, Cassandra 2.1, DevCenter, Cqlsh, OpsCenter, Shell Scripting, Maven, Eclipse

Cassandra Developer BMO Harris Bank - Milwaukee, WI October 2013 to December 2014

Responsibilities: Involved in data modeling the tables in Cassandra. Involved in implementing different data modeling techniques in Cassandra. Experience in working with cluster management tool like nodetool. Familiar with all the internal tools of Cassandra. Finding and resolving the issues that caused in the environment. Created several tables as a part of data modeling and determined the performance of the table through load testing with Cassandra -stress tool. Analyzed the log files to determine the flow of the application and to solve issues. Developed wrapper application using python which invokes the Java application and performs various File I/O operations. Used python scientific computing libraries such as numpy, scipy, pandas, matplotlib for data mining. Developed notebooks using Jupyter and involved in software development using python in Spyder. Environment: Python 2.7, Python 3, Jupyter, Spyder, Pyscripter, Datastax

Cassandra 2.0 Java Developer Paraxel International March 2011 to August 2013

Responsibilities: Actively involved in requirement gathering and analysis of the project. Designed the functional specifications and architecture of the web-based module with the help of Java/J2EE Technologies. Created the Design specification with the help of UML Class Diagrams, Sequence and Activity Diagrams. Involved in Developing the Web Application using MVC Architecture, Java, JSP, Servlets and Oracle Database. Developed different Java classes, SQL queries and procedures in order to retrieve and manipulate the data from backend Oracle database using JDBC. Extensively worked on user interface development using Java Script. Analyzed the business requirements and developed System Architecture document for the project enhancement. Deployed the web application on to the apache tomcat server running on LINUX machines. Provided Impact Analysis and Test cases to the application. Delivered the code within the timeline, and logged the bugs/fixes in tracking system. Developed Unit and Functional Testing for the Web Application to

ensure the quality. Environment: Windows NT 2000/2003, UNIX, Java, JSP, Servlets, JavaScript, ORACLE, Apache TOMCAT, Maven Java/ J2EE Developer Fujitsu India Pvt Ltd November 2009 to February 2011 Fujitsu was creating a customer care website for its Asia-Pacific customers for its memory products. I was involved with the Java and Web development team to execute this project.

Responsibilities: Involved in System Analysis and Design methodology as well as Object Oriented Design and development using OOA/OOD methodology to capture and model business requirements. Proficient in doing Object Oriented Design using UML-Rational Rose. Created Technical Design Documentation (TDD) based on the Business Specifications. Created JSP pages with Struts Tags and JSTL. Developed UI using HTML, JavaScript, CSS and JSP for interactive cross browser functionality and complex user interface. Implemented the web-based application following the MVC II architecture using Struts framework. Used XML DOM API for parsing XML. Developed Scripts for automation of productions tasks using Perl, UNIX scripts.

Used ANT for compilation and building JAR, WAR and EAR files. Used JUnit for the unit testing of various modules. Project coordination with other Development teams, System managers and web master and developed good working environment. Environment: Java, J2EE, JSP, JavaScript, MVC, Servlet, Struts, PL/SQL, XML, UML, JUnit, ANT, Perl, UNIX. Python, .NET Developer

Fact set December 2007 to October 2009 Responsibilities: Developed Windows Applications using Microsoft Technologies and .NET framework. Good exposure of Object Oriented analysis and design, Agile methodology using SCRUM process approach Experience in development of Windows Forms using ASP.NET, C# .NET. Experience in data-driven applications using python.

Developed scripts for FILE I/O processing using python. Involved in parsing XML, XSLT using parsers available in .NET Framework. Gained experience in Network programming using HTTP requests GET and PUT methods Parsed CSV Files and converting to specific format using python

Developed data-driven applications using ADO.NET and Entity Framework. Developed various windows Forms for GUI applications using Visual Studio. Environment: Microsoft Visual Studio, MS SQL Server, Pyscripter, DOORS, Clearquest Education Bachelor's

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