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# Example of Data Architect, Big Data Job Description

Our company is searching for experienced candidates for the position of data architect, big data. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for data architect, big data

* Full time senior development engineering role
* Provide leadership and guidance to project teams and other architects on all aspects of BI / Analytics data architecture (Data Curation needs and methods, normalized and dimensional data modeling, Analytics and Machine Learning Data needs, ETL, reporting)
* Provide guidance and consultation on specific delivery methodologies for BI/Analytics projects, such as technical requirements and model design review
* Work with the Data Modeler’s and Data Scientist (both internal and external) to set strategy and oversee design for significant data modeling and analytics work
* Participates in meetings to review the design of BI / Analytics projects
* Regularly interact with BI / Analytics leadership on project work status, priority setting and resource allocations
* Assist infrastructure leads and BI/ Analytics teams as needed with background and information on all technologies in use for projects such as new version upgrades, migration of hardware, production issues
* Provide leadership and guidance on setting up environments used by the BI / Analytics team so that they are optimized for a leveraged, multi-tenant operation
* 8+ years overall experience in application or solution development or consulting related to application or solution development
* Designing star schema data models

## Qualifications for data architect, big data

* BS, or equivalent, in Math, Computer Science or an applied quantitative field
* Hands-on experience in Big Data Components/Frameworks such as Hadoop, Spark, Storm, HBase, HDFS, Pig, Hive, Sqoop, Flume, Ozie, Avro
* Have hands-on experience with Cloudera Hadoop Administration
* Experience with the major big data solutions like Hadoop, MapReduce, Hive, HBASE, MongoDB, Cassandra, Spark, Impala, Oozie, Mahout, Flume, ZooKeeper, Sqoop
* Firm understanding of major programming/scripting languages like Java, Python, R
* Experienced in design and build of enterprise Big Data solutions using modern data technologies (Hadoop, Spark, NoSQL)