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# Example of Hadoop Architect Job Description

Our company is looking for a hadoop architect. 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 hadoop architect

* Research and analyze business requirements and recommend optimal solutions within Information management technology architecture
* Support the development of Data Management roadmaps, associated plans and apply industry and technical knowledge to provide solutions that increase measureable business results and minimize risk
* Create system and application design
* Providing work break down structures and estimates
* Leading the software development effort (coding/configuration/ maintenance/installation, testing, debugging), managing timelines, and technical documentation
* Identifies, defines, and designs non-functional requirements into the solution design and ensures implementation
* Proactively communicates development status, issues and concerns to management with mitigation recommendations
* Lead research and fact-finding efforts needed to develop or modify basic to high complexity information systems
* Troubleshoot basic to high complexity coding/configuration/
* Installation issues encountered in the development or production environments working with software vendors as needed

## Qualifications for hadoop architect

* Ability to advocate ideas and to objectively participate in design critique
* 3 years Architect level contributions with Hadoop distributions (Horton, Cloudera, Pivotal)
* Experience with architecting & developing applications on Hortonworks (HIVE, SPARK), Apache NiFi, Talend
* Experience in building and maintaining Hadoop/spark clusters
* Programming languages – Spark, Scala, Java/J2EE, Linux, Wakari, Anaconda, R on Hadoop, PHP, Python, Hadoop, Hive, HBase, Pig, MapReduce and other Hadoop eco-system components
* Good knowledge of Unix/Linux, Ruby, Python, Perl or other Scripting languages