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# Example of Data Engineer, Analytics Job Description

Our growing company is looking for a data engineer, analytics. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for data engineer, analytics

* Leverage “agile” data analysis with technology fluency in parallel processing/programming, software/programming languages and OLAP technologies (Ab Initio, Oracle, Microsoft SQL Server Analysis Services, SQL, PL/SQL, MySQL, Spark and Hadoop-JAVA MapReduce)
* Customer demos
* Design, implement and operate data systems to meet the needs of the organization by synthesizing organizational requirements and identifying the best method of presenting the data for business decisions
* In partnership with product owners, work with business partners on data anomalies and requests for information
* Ensure the availability of critical data systems via automation and monitoring
* Develop, recommend and implement process and procedure changes to systematically improve data integrity
* Monitor database performance, implement changes and apply patches and versions when required
* Monitor the quality of data and information, report on results, and identify and recommend system application changes required to improve the quality of data in all applications
* Investigates data quality problems, conduct root-cause analysis, correct errors, and develops process improvement plans across all programs
* Integrate data from multiple sources and design, develop, and generate ad hoc and operational reports in support of objectives

## Qualifications for data engineer, analytics

* Proven track record of project management across organizational boundaries, manages and coordinates teams and cross-functional groups worldwide
* Experience applying statistical analysis and process control (SPC), with SBL experience a plus
* Knowledge of big data processing and/or developing applications and data sources via Hadoop/MapReduce, Hive, MongoDB, Neo4J/Titan, MapReduce, HBASE/Cassandra, leveraging tools such as Yarn, Pig, Spark
* Experience with manufacturing tracking software systems and knowledge of semiconductor process/manufacturing, especially in a high-volume production environment a plus
* Develop interactive charts/graphs using Highcharts, HighStocks, etc
* Development of systems supporting advances in within airplane communication networks, factory networks and remote monitoring systems