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# Example of Engineer Principal Job Description

Our company is hiring for an engineer principal. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for engineer principal

* Keep up to date with automation technology developments, new trends, applications, equipment and suppliers
* Deep insight key customer requirement, key business value and industry trend in cloud database and data management or OLTP database
* Identification of different key technologies in cloud database and data management or OLTP database
* Preparation and presentation of project proposals and plans
* Direct/Lead the architecture, design and development of cloud database such as RDS, DWS or experience with transaction technology such as Elastic, high availability, strong consistency and high performance
* Lead the team to build viable prototype to demonstrate the advantage of cloud database/data management service or database transaction technology
* Conduct programming in Network Protocol, TCP/IP, Diameter protocol and Linux system programming, other open source libraries in multithreaded environments
* Work with unit test frame work tools such as Google test, code coverage tools such as KCOV/GCOV, mocking tools such as Hippomocks and Google Mocks
* Be forward looking w.r.t
* Participate in the establishment of technical objectives

## Qualifications for engineer principal

* Architects who have developed a long recognized standing in their specialties
* At least seven years of visualization, virtual reality or high-performance computing software design and development experience
* Experience building cross platform Desktop/GUI applications on Windows/Mac and Linux
* In-depth knowledge of SOA, design patterns and OO
* BS/MS in Computer Science, Computer Engineering or a related field, or equivalent work experience
* At least five years of experience on QT development