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# Example of Principal Software Engineer Job Description

Our company is looking for a principal software engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal software engineer

* Defines multiple technology options to new and maturing business capabilities and understands the financial, legal and technical impact of technology architecture alternatives
* Communicate complex ideas appropriately to varied levels from engineers, business partners, to executives
* Proactively influence key business stakeholders, executives, directors, process owners, and program managers to ensure that program/ enterprise architecture technology objectives are met
* Accounts for security, analytics, diagnostics when defining architectural designs and runways
* Develop enterprise architecture technology strategies in the client devices domain in the video streaming space
* Plans, coordinates and communicates enterprise technology domain principles for client devices in the video streaming technology field
* Supports the development of frameworks and governance decisions at multiple levels of management
* Ensures compliance with Enterprise Architecture governance standard encourages enterprise technology solution reuse
* Design and implement features and functionality for upcoming major and minor releases
* Work with the product architect on the technical design of core components

## Qualifications for principal software engineer

* Fluent in C++, with experience in STL, Boost, or similar libraries
* Experience with network application programming/development
* Hands on experience with scalable distributed systems and databases
* Experience with Messaging Protocols is highly desirable
* Additional experience in Python, JavaScript, or other related languages desirable
* 5+ years” experience in development of data intensive applications