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# Example of Software Technical Lead Job Description

Our growing company is looking for a software technical lead. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for software technical lead

* Coach and mentor the team on software best practices (design, coding, troubleshooting, work breakdown, work estimation, refactor strategies, automated testing)
* Contributing to an Agile team that solves complex challenges and builds working Cloud environment
* Specify non-functional software requirements and analyze all requirements to determine design feasibility within time and cost constraints
* Estimate software development timelines and be accountable to the timelines by actively managing risks and changing requirements
* Provide input into system software architecture development by working with Staff, Advisory and Principle Engineers as required
* Design and lead the design of software using abstraction, low coupling and high cohesion, modularization, encapsulation and information hiding, interfaces, and separation of concerns
* Implement and lead the implementation of software using the practical application of algorithms, defensive programming and exception handling, fault tolerance, design patterns, and best practices of Object-Oriented Design (OOD) and Object-Oriented Programming (OOP) such as SOLID (Single Responsibility, Open-Closed, Liskov Substitution, Interface Segregation, and Dependency Inversion)
* Test and lead the test of software with traceability back to requirements emphasizing the practice of Test Driven Design and the use of autonomous frameworks and Continuous Integration
* Follow and improve agile software development processes and practices (SCRUM) to improve engineering efficiency to maximize resources and reduce expense
* Ensure the adoption and application of software development tools (IDEs, test frameworks, static analyzers, ) to improve engineering efficiency to maximize resources and reduce expense

## Qualifications for software technical lead

* At least 2 years of experience with middleware design and development
* At least 2 years of experience with application design and development considerations
* 1+ years of experience with batch design and development
* 1+ years of experience with source-control and continuous integration tools and practices
* Candidate is expected to communicate with both highly technical and non-technical audiences and stakeholders, with strong technical, written, and verbal communication skills
* Designing and maintainer of APIs using Java, C++, REST, JSON