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# Example of Principal Software Engineer Lead Job Description

Our innovative and growing company is looking to fill the role of principal software engineer 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 principal software engineer lead

* Develop tools and processes (monitoring, automation, data manipulation, ) that will enable the successful automated validation for our software service
* Develop and enhance test frameworks, test scripts and data to validate the system's functional, performance, scalability and reliability
* Find software defects and utilize internal defect tracking tool to file, track defects and verify defects are addressed
* Collaborate in product and feature design with the scrum team
* Passion for technology and creating new and innovative solutions to complex problems
* Provide functional, technical and process leadership in areas such as TDD, DevOps, Service Refactoring, Code Reviews
* Partner with managers, directors, and engineering teams in Cambridge and other locations to develop and integrate new features and functions into the core proxy server
* Lead, shape a grow a small team of engineers, conduct design reviews, optimize your team’s code
* Work with product management and system architects to translate requirements into engineering tasks
* Take responsibility for driving projects to conclusion utilizing your team’s abilities at their highest potential

## Qualifications for principal software engineer lead

* Possibly you were not "born in the cloud," but it is where you grew up
* Experience with C++ and/or Java in a data center environment
* Experience with agile and TDD
* Experience influencing horizontally, leading by example and not by authority
* BS or higher degree in Computer Engineering or Science
* C/C++ experience is required