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# Example of Lead Software Developer Job Description

Our innovative and growing company is searching for experienced candidates for the position of lead software developer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for lead software developer

* Working with the Senior Software Engineer, designs and implements new features in a scalable existing web application that is built on the Play Framework, including bug fixing enhancements, and QA
* Works with the Senior Systems Engineer to understand database and application performance and security in the production environment, including capacity planning for the DB and trouble-shooting any issues/errors
* Leads the execution of penetration testing and application fuzzing as a prerequisite to all major releases, including maintenance of the test cases
* Creates and Implements processes to maintain the source code repository and release management
* Leads the product release management process including change management, scheduling, authoring release notes, authoring product roadmaps
* Conducts unit testing and writes use/test cases and supervises internal regression testing of new releases using automated testing tools such as Selenium
* Maintains test environments and deployment of new features, patches and releases via Jenkins automation server and Github
* Converts business requirements to detailed application technical specification/requirements documentation
* Assists in root cause analysis and resolution
* Works collaboratively with other IT team members, customers, and the product team as part of an Agile Development process

## Qualifications for lead software developer

* Comfortable working with multiple programming languages
* Demonstrated experience developing in an Enterprise environment
* IAT Level II baseline certification in accordance with DoDD 8140.01 “Cyberspace Workforce Management” (or achieve within six months of TOA or hiring)
* Experience designing services with high-availability, reliability, and scalability in mind
* Understanding of Linux internals, TCP/IP, DNS, -Balancing, Web-Caching, TLS/SSL
* Experience with analysis of large volume of data to make performance improvements