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# Example of Principal Software Developer Job Description

Our company is growing rapidly and is looking for a principal software developer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for principal software developer

* Work on a 3 – 5 person team developing and maintaining thick client and web-based thin-client software applications
* Design and develop new thin client, web-based capabilities/applications
* Architect the Continuous Delivery solution to support end-to-end software delivery process
* Ensure adoption with DevOps teams by serving as internal consultants and holding their leaders accountable
* Present the visions of deployment automation and Continuous Delivery to get buy-ins
* Implement workflow based solutions
* Work on highly distributed scalable systems using auto scaling groups and Mesos
* Develop in a variety of database technologies
* Manage off-shore development teams in day-to-day delivery activities and Agile SDLC, working closely to understand the requirements and the outputs the team is producing
* Code review JavaScript deliverables from both staff augmentation development teams and third party product vendors

## Qualifications for principal software developer

* Agile and TDD development experience
* Ability to deliver highest quality under deadline pressure while juggling multiple tasks
* Ability to solve complex problems and make design decisions with focus on performance, scalability and usability
* Ability to implement difficult projects independently
* Performance tuning & caching concepts
* Understand fundamental design patterns and code reuse