



Example of Software Principal Engineer Job Description

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Our innovative and growing company is looking for a software principal engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for software principal engineer

- Own application development focusing on middle tier using Spring MVC Web Services
- Develop, evaluate, and implement improved processes, methods and tools to continually improve software delivery effectiveness
- Coordinate with QA testing staff to ensure comprehensive test coverage, effective performance and load tests, timely resolution of issues, and other actions to assure delivery of quality software
- Lead the team to develop cutting-edge software and modify existing software to add features Design and implement highly scalable distributed systems
- Ability to conduct code reviews, coach junior developers on the team
- Be a leader and promote best practices to deliver high performance software solutions
- Work closely with Product teams to ensure product is delivered to market on schedule
- Work closely with Operations and Support staff to ensure hand-off post-release
- Design and develop enterprise transaction processing solutions using traditional and emerging technologies
- Design and develop core parts of the product

Qualifications for software principal engineer

- Web Java and JavaScript frameworks experience such as Spring framework, REST APIs
- Strong understanding of operational aspects of SaaS model
- Must have an active DOD Top Secret Clearance with in-scope SSBI (update within past 5 years) and a proven ability to be accessed to Special Access Programs
- Competency with MATLAB
- Experiences in large scale distributed computation, map reduce systems, and data mining