

This Systems Engineer job description template includes key Systems Engineer duties and responsibilities. You can post this template on job boards to attract prospect applicants.

Job Brief:

We are looking for a Systems Engineer to help build out, maintain, and troubleshoot our rapidly expanding infrastructure. You will be part of a talented team of engineers that demonstrate superb technical competency, delivering mission critical infrastructure and ensuring the highest levels of availability, performance and security. Qualified systems engineers will have a background in IT, computer systems engineering, or systems engineering and analysis.

Responsibilities:

- Manage and monitor all installed systems and infrastructure
- Install, configure, test and maintain operating systems, application software and system management tools
- Proactively ensure the highest levels of systems and infrastructure availability
- Monitor and test application performance for potential bottlenecks, identify possible solutions, and work with developers to implement those fixes
- Maintain security, backup, and redundancy strategies
- Write and maintain custom scripts to increase system efficiency and lower the human intervention time on any tasks
- Participate in the design of information and operational support systems
- Provide 2nd and 3rd level support
- Liaise with vendors and other IT personnel for problem resolution

Requirements:

- BS/MS degree in Computer Science, Engineering or a related subject

- Proven working experience in installing, configuring and troubleshooting UNIX /Linux based environments
- Solid experience in the administration and performance tuning of application stacks (e.g., Tomcat, JBoss, Apache, Ruby, NGINX)
- Solid Cloud experience, preferably in AWS
- Experience with virtualization and containerization (e.g., VMware, Virtual Box)
- Experience with monitoring systems
- Experience with automation software (e.g., Puppet, cfengine, Chef)
- Solid scripting skills (e.g., shell scripts, Perl, Ruby, Python)
- Solid networking knowledge (OSI network layers, TCP/IP)