

# Data Center Engineer Job Description

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## Duties and Responsibilities:

- Monitor, diagnose, and resolve complex network and computer system issues
- Manage and administer servers, networks, and applications such as DNS, FTP, and Web
- Maintain internal network structure of a data center by managing routers and keeping them running
- Install, configure, and maintain switches, servers, firewalls, and hard drives
- Troubleshoot network systems to identify and fix performance issues
- Provide solutions to complex problems on the integration of various technologies
- Design plans as well as lead initiatives for the optimization and restructuring of network architecture
- Maintain an up-to-date knowledge of network administration and firmware integration
- Monitor the environmental conditions of a data center to ensure they are optimum for servers, routers, and other devices
- Perform system repairs and update software/operating systems
- Calibrate and monitor data center servers to ensure efficient performance
- Collaborate with IT handlers, sales, and data center managers to develop action plan for improved operations
- Conduct inspections on power and cooling systems to ensure they are operational and efficient
- Organize the floor space that harbor data center equipment to allow for easy accessibility
- Resolve operational, infrastructure or hardware incidents in a data center.

## **Data Center Engineer Requirements – Skills, Knowledge, and Abilities**

- **Education and Training:** To become a data center engineer, you require a Bachelor's degree in any of computer science, computer systems engineering, electronic engineering and other related disciplines. Certifications from IT companies such as Microsoft and Cisco Technologies will increase your job prospects
- **Analytical Skill:** Engineers at data centers are adept at conducting tests to identify faults in server hardware and network systems
- **Teamwork Skill:** They are able to work with data center support and sales managers to ensure smooth work operations
- **Time management Skill:** They are able to effectively complete job tasks within set time constraints.