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# Example of LAN Engineer Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of LAN engineer. 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 LAN engineer

* Keeping up to date with latest development of communications technologies, in particular where related to Cisco
* Performing end-to-end commissioning in co-operation with customer representatives to prove correct functionality
* Providing training and consultancy where appropriate
* Design, implement, support and document all information technology including voice and data services
* Monitor health of all IT systems including disk use, network utilization, server capacity, firewall services, internet access, and database systems
* Design technological solutions to resolve business requirements per divisional management directives
* Provide help desk support for all standardized desktop data processing equipment, personal productivity software, and enterprise-wide systems
* Train users on hardware and software utilization as appropriate
* Management of Perimeter day-to-day operations to ensure that business demands (effectiveness, cost-efficiency, stability and availability) are met
* Improving the day-to-day monitoring of the services

## Qualifications for LAN engineer

* Strong working knowledge of C, C++, Java programming language and shell scripting
* Strong working experience developing multi-threaded applications for Linux
* Knowledge of Wi-Fi protocols, 802.11
* Experience with messaging frameworks like DDS, MQTT, XMPP, AMQP
* Knowledge of networking technologies and concepts, Ethernet and IP
* Organisation’s standards security incident reporting