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# Example of Engineer / Architect Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of engineer / architect. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for engineer / architect

* Authoring White Papers and supporting cost, schedule estimation and proposal development
* Supporting existing program execution as needed
* Develop and implement quality assurance testing and performance monitoring utilizing QA tools, techniques and practices
* Develop and maintain comprehensive network documentation and configuration standards
* Assist the Physical Network Engineer in the configuration of access layer switches and wireless access points, and ensure all configurations conform to established standards
* Maintain network components at latest stable release of software
* Monitor, evaluate and distribute Internet and intranet related alerts and status updates
* Assist technical support staff and system engineers with network troubleshooting and debugging
* Collaborate with the Information Security Office on the design and implementation of security guidelines and regulatory compliance requirements
* Manage tasks and projects within the scope of assigned responsibilities

## Qualifications for engineer / architect

* Comfortable with concepts some low level details related to virtualization approaches in industry standard operating systems (Linux / KVM, Windows Hyper-V, VMware ESX, Xen, etc)
* Some experience with NIC product design and development for the industry standard SMP server
* Comfortable with concepts and architectures associated with modern high speed Ethernet controllers - , RSS, RSC, LSO, LRO, TPA, JF, stateless offloads
* Knowledge of RDMA / HPC / low latency computing concepts is desirable
* Familiarity with Linux / open source development is desirable
* Experience / familiarity with CPU architectures for Intel x86 and ARM