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# Example of Systems Engineer Principal Job Description

Our company is growing rapidly and is looking to fill the role of systems engineer principal. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for systems engineer principal

* Lead the re-definition of what is meant by ultra-dense connectivity in and out of the venue, pushing the limits of existing and yet-to-be defined solutions
* Develop reference architecture for unlicensed and licensed technologies, including but not limited to 802.11x, LTE, and respective roadmaps
* Develop strategies to smartly allocate spectrum and find unconventional uses of emerging spectrum
* Be at the forefront of automated and real-time UX testing, including QoE across latest mobile operating systems
* Where strategically necessary, align with key standards, regulatory, or alliance agencies
* Participate in architecture definition for assigned generator programs
* Participate in and sign off on all product design reviews for assigned PG programs including sign off of related IPDS Phase 3-5 checklists
* Contributing to and leading specific mission, ground, or space vehicle systems engineering activities
* The candidate must be knowledgeable in aerospace systems
* Position will also include responsibilities relating to integration, testing, and operational readiness of spacecraft and payloads

## Qualifications for systems engineer principal

* Must be willing to travel between sites weekly within the Washington DC metropolitan area
* Knowledge of Server, Desktop and Application virtualization, networking, SANs, Microsoft Windows systems and desktop and thin client hardware
* CISSP or equivalent required, MCSE - Microsoft Certified System Engineer – Desktop Infrastructure Solutions Expert (2008 products or later)
* Security+ CE or DoD 8570 Certification required
* BS in Biomedical Engineering, Systems Engineering, Electrical or Electronic Engineering, Mechanical Engineering, Computer Engineering, Computer Science, or a related field
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