



# Example of Staff System Engineer Job Description

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Our company is looking for a staff system engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for staff system engineer

- Acquires test data according to a loosely defined test protocol
- Interacts with customers as primary technical spokesperson on relevant technical issues
- Participates in development of patent applications
- Serve a seasoned professional in System Level performance related to laser light generation and amplification, laser-plasma interaction, debris mitigation, and controls
- Work with global customer support organization in response to escalations from customer sites, by providing technical support
- Ability to lead, coach and motivate small technical teams without formal authority and irrespective of technical uncertainties
- Establish and oversee best practices and methodologies for systems engineering across various product lines
- Drive collaboration between various product development functions through a practical systems engineering process throughout the product development lifecycle
- Lead key projects as Lead Systems Engineer for intelligent integrated solutions that need technologies that span Robotics and Artificial Intelligence/Machine Learning, and associated Software/Hardware subsystems
- Ensure optimal solutions are developed that have significant integration complexity and optimization of multiple system attributes including system performance, functionality, project cost, schedule, risk, COGS, supportability, serviceability, interoperability, maintainability, quality/reliability,

## Qualifications for staff system engineer

- Good experience of complete at least one key server subsystem (such as network subsystems, storage, or high-speed IO) solution design and implementation independently
- Strong background in coherent modulation and optical fiber communication system
- 3+ years working experience in optical fiber communication industrials, and proficient in Matlab programming languages
- Preferred experiences on modulation, demodulation, coding, decoding, and DSP algorithm theory and techniques
- Requires 15% travel primarily in North America and some international travel
- Must be experienced in MIL-STD-882