



Example of Principal Mechanical Engr Job Description

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Our innovative and growing company is looking to fill the role of principal mechanical engr. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for principal mechanical engr

- Monitor program technical execution, interfacing with stakeholders (e.g., customers, program offices, subcontractors, vendors)
- Review and provide feedback on analysis trades, work products and program reviews for members of your team
- Enable continued growth of all levels of personnel through knowledge transfer, training and exposure to the Mechanical Engineering community
- Ensure junior engineers have consistent access to senior engineers to review work and provide guidance
- Provide timely feedback to group members throughout the year, and ensure sufficient reviews are provided by peers and program leads during mid-term and end of year assessments
- Be responsible for requesting and obtaining needed software tools and licenses to enable efficient mechanical engineering work
- Lead the management of subcontractors required for the development of related equipment
- Collaborate and coordinate with a multi-disciplinary team of engineers, scientists, technicians, and support staff
- Participate in team meetings, design reviews, and engineering review boards
- Coordinate with team leadership (program management, chief engineer, sub-team leads) to execute program goals

Qualifications for principal mechanical engr

- Aerodynamic heating analyses
- Role will require product instrumentation, lab testing, error analysis, and data reduction
- Role will require the use of ProE for CAD
- Basic CFD analysis as required to achieve project goals