



# Example of Senior Mechanical Design Engineer Job Description

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

## Responsibilities for senior mechanical design engineer

- Perform CAE simulation of structural deflections, stresses, vibrations/shock/drop & thermal engineering
- Provide other engineering support as requested by Manager
- Prepare and review of design basis document for both nuclear and conventional systems of the nuclear power station design specification, over-pressure protection reports and design reports, BOMs, SCL
- Supervision of an engineering group that provides mechanical design support of existing and new products
- Design of new products and components for including plastic injection molded parts, die castings, investment castings, stampings, machines components, etc
- Work collaboratively with manufacturing to ensure new designs are feasible from a manufacturing standpoint
- Continuation engineering support for Wireless product line
- Create the mechanical design of Misfit consumer products
- Coordinates work primarily across project team(s), related groups, or within the department
- Demonstrates deep/advanced knowledge of specialized discipline and methods, and applicability to specialized product needs to support customer, operational policies and processes, and product use to translate needs into feasible technical design requirements and recommendations

- CATIA Exp
- Has effectively led multiple products through the product development lifecycle (ideation à market) and understands how to manage to critical path so that the most efficient time to market is realized
- Understands mechanical structures and how they are joined in high volume production
- Demonstrated strong
- Knowledge of aerodynamics
- Advanced degree, MSME or MBA