



Example of FEA Engineer Job Description

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Our growing company is hiring for a FEA engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for FEA engineer

- May receive technical guidance on the most unusual or complex problems, but independently determines and develops approaches to solutions
- Use out of the box thinking to investigate new technology for metals processing
- Interface with R&D project teams and provide excellent customer service to achieve program key milestones and deliverables
- Performing non-linear FEA
- Understanding the physical events behind the mathematical formulas
- Explain results calculated by the FEA software
- Performing physical experiments
- Validating FEA models
- Validating material properties
- Planning and piloting calculation discipline activities and related deliverables on project taking into account applicable instructions/processes and other specific Customer (internal or external) requirements

Qualifications for FEA engineer

- Must be an expert with CREO design software
- Knowledge of several areas of Mechanical Design Principles and analysis
- Must have the ability to obtain a Secret Clearance (Requires US Citizenship)*
- Ability to work in a fast-paced, rapidly changing environment and excel in a

- Min 2 - 5 years experience of Finite Element Analysis preferred