



Example of Stress Engineer Job Description

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Our company is searching for experienced candidates for the position of stress 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 stress engineer

- Issue and releases of structural analysis reports and documents
- Chartered Engineer or in advanced stages of working towards chartership with the IMechE (or another engineering institution)
- Set up, run, analyze and report chip level, board level, and system level thermal and stress models
- Set up, run, analyze and report thermal / mechanical testing/characterizations
- Assist in research, design and development of new IC packages and technologies
- Use simulations and formulate design recommendations, guidelines and solutions
- Develop/assist and publish predictor tools for first and second order quick simulations
- Interact with cross functional teams in design, process, new product definition, marketing, assembly, applications and provide support and guidance with thermal, electrical and stress challenges
- Budget, handle requisitions, quotes and place purchase orders as needed
- Coordinate design review meetings and assist in defining and documenting design rules

Qualifications for stress engineer

- Typically requires a bachelors degree in Mechanical or Aerospace engineering or a related technical discipline from an accredited institution

- Familiar with current EASA and FAA regulations in particular CS-25
- Familiarity with PATRAN/NATRAN, FEMAP or other finite element analysis software
- Degree in mechanical or aeronautical engineering (or equivalent experience)