

ENGINEERING SUPERVISOR

Summary

I am a Mechanical Engineer with 8 years of product design experience with an emphasis on non-metallic materials used in oil field-related equipment, as well as a year in HVAC experience. Proficient in CAD and FEA software, I am also experienced with ISO document control processes and ASTM/API/NORSOK requirements. My leadership skills are exemplified by my dedication, strong work ethic, and ability to motivate colleagues through example. I am seeking a position with an industry-leading manufacturing and design corporation, and I believe my work experience and management skills render me an excellent candidate for this position.

Highlights

- Plastics Manufacturing Processes
- Process Engineering & QA Management
- New product design and development
- Proficient in AutoCAD, Bluehill testing software, Solidworks, Algor FEA, Matlab, Microsoft Office *ISO 9001/AS9100 standards
- ASTM Material testing and chemical evaluations of materials
- Design and drafting of custom seal solutions
- Experience with ProE, Ansys, LabView

Experience

Company Name June 2010 to Current Engineering Supervisor

City , State

- 33 million global manufacturer and supplier of precision machined plastic and composite components Lead designer of high pressure choke and gate valve seals used widely throughout oil field Upheld quality standards that earned the AccuSeal facility ISO 9001 and AS9100 certification Created material specifications and performed physical property testing of materials to ASTM standards Develop and conducted process qualification for PEEK injection molding and PTFE compression molding processes used at AccuSeal Oversaw NORSOK and API qualification on PEEK and PTFE materials for AccuSeal facility Project lead on building and implementation of HPHT testing equipment for AccuSeal.

Company Name June 2007 to June 2010 Design Engineer

City , State

- 200 million global manufacturer and supplier of sealing components Designed and developed new sealing solutions for oil field service ranging from pumps, downhole tools, and subsea equipment using rubber, plastic, and composites materials Performed material evaluation for chemical and physical compatibility with customer applications Created custom application testing such as compression force, pressure blow downs, cyclic bending and wrote test reports on various seals for customers seals Energy Testing and Balance (Austin, TX) Testing and qualification of Industrially HVAC systems.

August 2006 to May 2007 Project Engineer

- Qualified installation of HVAC systems in new and renovation academic facilities throughout Texas.
- Performed flow calculations using AMD multimeters, vibration measurements, and electrical measurements.
- Participated in weekly site meetings with other contractors to review and report open action items, keeping project on schedule.
- Delegating work to other contractors ensure timely completion.

Education

University of Texas 5/2006 BS : Mechanical Engineering City , State Mechanical Engineering

FE-Texas 4/2010

Skills

academic, Ansys, API, AutoCAD, Balance, drafting, HVAC, ISO 9001, LabView, Manufacturing Processes, materials, Matlab, meetings, Microsoft Office, multimeters, oil, Process Engineering, processes, product design and development, Project lead, quality, QA, renovation, testing software, Solidworks