

ROBERT SMITH

Mechanical Engineer (Lead)

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SUMMARY

8+ years of experience as a Mechanical Engineer. Looking to obtain a career that will utilize my skills as well as to enhance my abilities to the best I can be, a career that will develop my personality in the race for the success of the company and myself.

CORE COMPETENCIES

Microsoft Office, Solidworks, Matlab, Mathcad, Autocad, Prototyping, Manufacturing Process Design, Fabrication, R&D, and Standard Manufacturing Processes.

PROFESSIONAL EXPERIENCE

Mechanical Engineer (Lead)

ABC Corporation - February 2013 - Present

Key Deliverables:

- Analyzing the existing design to assist in the development of system requirements.
- Designing the fuel delivery system based upon existing design, tailored to customers requirements.
- Designing a compressed air delivery system based upon existing design, tailored to customers requirements.
- Aiding in the development of ancillary systems including CCTV, electrical, and data and controls.
- Developing retrofit for thrust frame mounting plates and thrust restraint fixture.
- Developing detailed technical data package in accordance with ASME y14.100, ASME y14.5, ASME y14.24 and military standards.
- Presenting design and engineering rationale for sub-systems at PDR and CDR.

Project Manager

ABC Corporation - December 2011 - January 2013

Key Deliverables:

- Selected component materials, valves, instrumentation, and other assemblies to meet customers specifications and process requirements.
- Coordinated with the production manager to ensure customer requests were met.
- Resolved any outstanding issues with procurement, manufacturing, and design to reduce the effect on overall cost and schedule.
- Created design drawings and specifications that manufacturers used or purchased which translated into new products.
- Perform system verification program and complete the loop test and grr and to obtain mass production repeatability and stability of 2%.
- Designed and created the prototype of a novel concept heating/refrigeration unit.
- Developed software packages with visual basic in the areas of experimental control, data collection, and analysis.