

ROBERT SMITH

Mechanical Engineer I

Phone: (0123)-456-789 | Email: info@website.com | Website: Website.com

SUMMARY

Over 5 years of Mechanical Engineering professional experience in Production & Operations in integrated power plant equipment manufacturer - BHEL, one of the largest engineering organization and professional experience in the Automotive industry.

CORE COMPETENCIES

Computer Aided Drafting, and Design, Cost Reduction Analysis, CNC Programming, Nesting, and Material Utilization Quality Engineering.

PROFESSIONAL EXPERIENCE

Mechanical Engineer I

ABC Corporation - March 2011 – December 2014

Key Deliverables:

- Worked in the design department for a year and then got transferred to the production department.
- Managed all phases of the design process for a multitude of products, components, parts, assemblies and subassemblies, including drafting, dimensioning, tolerance, prototyping and documenting results and responsible on the production floor by addressing manufacturing related issues in terms of tooling, fabrication, equipment maintenance, parts and process improvement expertise in design and production operations using 5-axis CNC machines.
- Responsible for the modeling of state of the art transmission structures with 3d design software.
- Created a detailed 2d and 3d technical drawings of transmission structures.
- Troubleshoot and resolve routine problems and assist senior engineers in resolving more complex engineering activities.
- Managed tooling and equipment of presses, assembly, leak and test machines and other systems.
- Worked with design groups to develop the structural design of products using design software and analysis software.

Manufacturing Engineer / Quality Engineer

ABC Corporation - June 2009 – March 2011

Key Deliverables:

- As a manufacturing/quality engineer, I worked on a project which involved evaluating manufacturing processes, providing quality oversight and support all design control activities, such as product design, design specifications, and design verification.
- The provided project led to the manufacturing services department to carry out projects in a timely and cost-effective manner.

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- Evaluated manufacturing processes by designing and conducting research programs, applying knowledge of product design, fabrication, assembly, tooling and materials, conferring with equipment vendors, accounting, soliciting observations from operators.
- Developed flow routing, work instructions, operating instructions, assembly guides, and illustrations.
- Developed and maintained system documentation including schematics, operations and maintenance procedures, and knowledge management.
- Participated in improving quality standards, cost estimating and equipment recommendations.
- Supported equipment calibration, upkeep, and new equipment specification and procurement for all analytical instruments used in manufacturing.

EDUCATION

- Research - January 2015(Cleveland State University - Cleveland, OH)Masters in Mechanical Engineering - (Cleveland State University)Bharat Heavy Electricals Limited - (Cleveland State)