

Robert Smith

Mechanical Engineer I

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SUMMARY

4+ years of experience as a Mechanical Engineer. Currently open to Design/Release engineering positions as part of building on my previous design experience and pursuing my long term career goals.

SKILLS

Autodesk, AutoCAD, Inventor, Solidworks, Combustion Engines, Thermal Systems, GD Maintenance, Repair, Packaging, Machinery, Mastercam, Six Sigma, Kanban, Inventory, Machine Design, Manufacturing, CAD, CAM, 3D CAD, 2D CAD, 3D, 2D, Mastercam, CNC, and LEAN.

WORK EXPERIENCE

Mechanical Engineer I

ABC Corporation - March 2016 - Present

- Designing and developing structural components such as trailer hitches, tow hooks, spare tire winches/brackets, and heat shields.
- Specifying design requirements and functional objectives of components as part of product development.
- Leading cross-functional team meetings working with systems & components, advanced manufacturing, service, and functional science teams to ensure design feasibility and requirements compliance.
- Coordinating and scheduling design and DVPR milestones to release components for production as per program timing.
- Collaborating with suppliers with regards to the design and integration of outsourced components.
- Root cause issues and pursue corrective actions as per economic and production timing requirements.
- Ensuring the engine box design integrity of next-generation dodge ram vehicles by consulting design requirements.

Mechanical Design Engineer - Power Pack (Contract)

ABC Corporation - February 2015 - February 2016

- Create technical data packages to support engineering drawing release as per contractual requirements.
- Design investment cast parts machined parts and welded inseparable assemblies such as cooling manifolds, brackets, rad supports and support frames for various automotive applications.
- Consult astm, mil and sae standards for appropriate material selection and test requirements as per contract requirements.
- Work with SCM to source and integrate vendor components into subsystem assemblies as per design-functional requirements.
- Support r&d projects and demo builds catering to the companys competitive bids.
- Issue ecos to support legacy programs, update obsolete parts and to support production issues.
- Design build-to-print parts to replace obsolete vendor parts as required.

EDUCATION