

Aircraft Mechanical Engineer

ROBERT SMITH

Phone: (123) 456 78 99

Email: info@website.com

Website: www.website.com

LinkedIn: linkedin.com/username

Address: 1737 Marshville Road,
Alabama

Objective

21+ years of experience as a Mechanical Engineer. Seeking a challenging Mechanical/Project Engineer position to practice design, develop, analyze, evaluate, and implementation methodologies.

Skills

Microsoft Office, Autocad, C++, Matlab, Mathcad, Pipe Flow, Nastran, Patran, Microsoft Office, Microcontroller, Autocad, Project Management, Construction, Lean Manufacturing, and Programming.

Work Experience

Aircraft Mechanical Engineer

ABC Corporation - June 2002 – Present

- Generating work scope analyses (VA/ve, lean engineering, six sigma, 5s), aircraft configuration, facts of improvement, action, functionality for current projects, systems/ components.
- Corporate engineering processes, product life cycle (PLM), agile, eco, adcn, variation, deviation, submittal, check, approval, bom, quality control, prototype redline.
- Coordination, approval, supervision, system development involving customer, vendors, subcontractors activities.
- Ability to manage multiple projects simultaneously and creating core design concept reflecting installs, removal, retrofit, mods, functionality, DFM, DFA.
- Hands-on testing skills, ability, creativity to align theoretical and practical design data in final product testing.
- Creation of work procedures, solutions, test and documents based on scope requirements, standards, De-mods/ retrofit, methods according to data in early stage, specific stage or final stage.
- Responsible for aircraft types in regards to configuration, SRM/AMM reference, design/ certification/ conformity development to final release, prototype implementation, and faa STC approval.

Mechanical Engineer

ABC Corporation - January 1998 – May 2002

- Design, development and prototype manufacturing of patented and special agricultural machines (husker).
- Designed and analyzed unique agricultural machines for material storage.
- Designed power/drive mechanism, shaft mechanism, husker unique system and lifting mechanism for material storage.
- Direct involvement with a prototype built up, including procurement of manufacturing equipment, full machine shop, including welding (arc gas), die grinding, drilling, model casting, sheering, pressing, rolling, lathe machining, and forming machines.
- Assist with prototype testing and attainability of government certificate of functionality and safety.
- Marketing of product release, demonstrations, contract negotiation, troubleshooting.
- Software utilized design using AutoCAD package, shop drawings in 2d, assembly drawings in 3d, mechanical desktop, inventor, SolidWorks.

Education

BS Me in Mechanical Engineering - (Polytechnic University) Bachelors Of Science in Mechanical Engineering - (Purdue University) Bachelors Of Engineering in Computational And Applied Mechanics - (Sun Yat-Sen University)