**Aircraft Mechanical Engineer**

ROBERT SMITH

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# 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 costumer, vendors, subcontractors activities.
* Ability to manage multiple projects simultaneously and creating core design concept reflecting installs, removal, retrofit, mods, functionality, DFM, DFA.
* Hands­on 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, De­mods/ 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 Yat­Sen University)