

# Robert Smith

## *Product Development Engineer Lead*

### **CONTACT DETAILS**

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Alabama  
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### **SKILLS**

Econometric, Excel,  
power point, Word.

### **LANGUAGES**

English (Native)  
French (Professional)  
Spanish (Professional)

### **INTERESTS**

Climbing  
Snowboarding  
Cooking  
Reading

### **REFERENCES**

Reference - 1 (Company Name)  
Reference - 2 (Company Name)

## **PERSONAL STATEMENT**

Seeking out new challenges within the company in need of someone with exceptional planning, leadership, and management abilities. Critical thinker, able to design problem-solving, profit maximizing methods to solve complex issues. Hard working, leadership, and taking command of an operation or project, then guiding it to new performance levels are my greatest strengths.

## **WORK EXPERIENCE**

### ***Product Development Engineer Lead*** **ABC Corporation - 1992 - 1997**

#### *Responsibilities:*

- Responsible for the design and development of crash sensors and switches for airbag applications, and processing them through production.
- Included research and development, analysis, design, testing, prototype construction, design validation, evaluation, product verification, product launching, and continuous improvement.
- Have taken products from design concept through production for various customers.
- Planned and participated in cost reduction programs to reduce the cycle time to produce a sensor in 12 minutes by improving product performance and process efficiency, resulting in annual savings of approximately \$500,000.
- Applied statistical methods to analyze data, including gage R&R, repeatability, reliability, and correlation, for continuous improvements in materials, products, and equipment.
- Directed and coordinated the development of mechanism design, tooling and fixturing.
- Designed, developed, and determined appropriate test methods to validate sensor concepts.

### ***Product Development Engineer*** **ABC Corporation - 1988 - 1992**

#### *Responsibilities:*

- Assigned to develop and production of natural gas fuel storage systems for Q-Cab and Frame Rail modules.
- Responsible for design and development of injection molded plastics parts.
- Lead design and development of extremely light weighted plastics fuel storage systems enclosures that offers easy to service with removable back cover panels and intern to provide ease of serviceability and inspections.
- Designed and implemented Elastomeric fasteners onto FRP covers.
- This design change eliminated structural-borne noises and vibrations that emanate from road energy into the covers.
- This design increased the quality and life expectancy of the systems

enclosure, minimized warranty cost, and decreased the overall fatigue of all covers components.

- Establish automotive grade OEM paint standards and specifications to meet customer requirements..

## **Education**

M.S. - (Electrical Engineering (awarding) Florida International University - Miami, FL)