

# ROBERT SMITH

## Product Development Engineering Manager

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Passionate innovator with product design, engineering support, quality testing, and program management experience derived from years in the aerospace, telecommunications, consumer electronics, and entertainment industries. Driven problem solver who thrives in diverse environments and has a proven record of delivering results under pressure.

## EXPERIENCE

### Product Development Engineering Manager

#### ABC Corporation - JANUARY 2005 - APRIL 2009

- Design and develop new product for truck and SUV vehicles.
- Develop 3-D cad model of parts using Solidworks.
- Develop prototypes using plasma cutter and worked closely with fabricator.
- Conduct product design validation and verification for production.
- Produce engineering drawings for fabricator and create bill of materials for manufacturing.
- Worked closely with overseas vendors on production manufacturing.
- Conducted finite element analysis on various trailer hitch classes per SAE J684, using Solidworks simulation.

### Product Development Engineer

#### ABC Corporation - 2000 - 2005

- Functioned as project engineer for the design, development and release of new products from initial concept through manufacturing pilot build.
- Assisted in the design and construction of tooling required to implement new concepts.
- Provided technical leadership to all departments.
- Worked with Sales to convert customer requests into proposals and drawings.
- Assisted Quality Group with technical reviews of product returns.
- Studied, interpreted and implemented the standards of ASTM, ANSI, ASME, DOT, AWWA, IGSHPA, UL, CSA, NSF, GDF and DVGW.
- Supported the completion of key projects listed on the Engineering Goals and Objectives..

## EDUCATION

- B.S. in Mechanical Engineering - (California State University Los Angeles)

## **SKILLS**

Engineering, Welding, Design, Microsoft Office, Autocad, Solidworks, Mac.