

# ROBERT SMITH

## Product Development Engineer II

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Project Manager & Engineering Professional - 15+ years of solid experience in Project Management & Engineering including Cross Functional Team Leadership from Planning through Implementation in a Manufacturing Environment  
Experience in a broad range of environments including cross functional project management, Greenfield plant installation and startup, process improvements, project engineering, foundry manufacturing design & upgrades, and automotive design.

**MAY 1999 - SEPTEMBER 2004**

### **PRODUCT DEVELOPMENT ENGINEER II - ABC CORPORATION**

- Primarily designed unibody structural systems and/or managed tier one suppliers for this or other body components.
- Generally focused within vehicle teams to interact with all other stakeholders to develop new vehicles to achieve all vehicle targets while managing tradeoffs between systems.
- Lead Product Development Engineer for all new rear underbody structures, sunroofs, & washer/wiper systems for various vehicles during tenure.
- Managed supplier teams to meet all milestone timing while exceeding all cost & design targets.
- Led an effective FMEA process that improved sunroof tests to include real world noise factors.
- Negotiated contracts with the suppliers including cost, weight, design, and responsibilities.
- Generated new ideas for the lower back structure design resulting in improvements of global torsion of 1.3Hz and global bending of 1.7 Hz while causing zero increase in cost or weight to the program.

**1998 - 1999**

### **PRODUCT DEVELOPMENT ENGINEER - ABC CORPORATION**

- Managed various production module designs.
- Tasks included resolution of customer complaints and coordination of customer changes (i.e. redesigns, cost improvement changes).
- Oversaw cost improvement projects, resulting in \$3M savings.
- Generated new cost improvement projects and tracked projects until implementation.
- Component expert for damper module assembly.
- Included design and test support of component for damper module assembly engineers..

## **EDUCATION**

Master of Science in Automotive Systems Engineering - (UNIVERSITY OF MICHIGAN - Dearborn, MI)

## **SKILLS**

Solidworks, autodesk inventor, Solid Edge, geomagic, 3d scanning, Finite element analysis, Matlab, optimum kinematics, six sigma, Motec I2 Pro, Aim Race Studio Plus, Mastercam, TIG Welding, Lathing, Milling.