

Joseph Brian Nonmacher

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MECHANICAL DESIGN, SR. APPLICATION & SALES ENGINEER

PROFESSIONAL SUMMARY

Experienced, innovative, top-producing Mechanical Design Engineer with theoretical & out-of-the-box solution skills & practical hands-on approach to problem solving. Ideal position utilizes strong ability to conceptualize & design mechanical systems as well as 3D problem solving with solid modeling.

Natural leader with the passion and proven ability to build relationships, produce results, and succeed with innovative designs and solutions

SIGNIFICANT ACCOMPLISHMENTS

- Increased department revenue 68% - instituted new design and streamlined installations & parts use.
- Improved profits 60-75% - decreased installation time on routine work with invented, fabricated specialty tools.
- Decreased production effort 25% - corrected routine assembly problems & produced better final product with new physical tool system design.
- Increased profitability - created multiple new product offerings throughout work history: aftermarket automobile modifications, automotive repair, coffee services, aeronautic & trucking industries.
- *#1 in Sales 2009* – successfully balanced application / design engineering work with sales.

TECHNICAL SKILLS & ASSETS

B.S., Mechanical Engineering, Minor in Business Administration

Solid Modeling: SolidWorks, AutoCAD Inventor, Unigraphics

Software: Word, Excel, PowerPoint

DOD Secret Clearance

High-Ideaphoria as tested & reported by Johnson O'Conner Research Institute

Experience in graphic arts

EXPERIENCE

Sr. Application Engineer / Engineering Sales

Garland, TX

2008 - 2009

Navistar (International Trucks) Truck Specialty Center

- Balanced work efforts between customer, management, team and shop needs to effectively bring a multitude of known and new created product solutions for the specialty equipment market for the trucking industry.
- Authored both detailed assembly & installation instructions ranging from simple to multi-install complex systems.
- Designed / invented product as per shop & customer need, creating new opportunities, quicker installs & new sales.
- Coordinated time requirements between team interaction and successful independent projects.
- Developed enjoyable & successful relations with customers, manufacturers, vendors and coworkers.

Mechanical Design Engineer-ME 1 / Engineering Liaison

Greenville, TX

2006 - 2008

L-3 Communications Integrated Systems

- Developed design with a variety of programs including Unigraphics NX3 & 4 to generate solutions for function & fit. Created & revised drawings & parts lists for tools, structural parts & assemblies.
- Identified the need and facilitated research, discovery & design that lowered costs from an estimated \$5,000 per unit to less than \$50, saving more than \$1.8 million on complete project.
- Designed / invented physical tools to decrease production effort.
- Interacted effectively in a team environment on new designs as well as in troubleshooting existing designs.
- Enabled communications & design interpretations between engineering & installation groups for simultaneous building of multiple aircrafts as Engineering Liaison.

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Barista (25 hour work week plus full academic load) **Houston/College Station, TX** **2002/2003-2005**
Starbucks Coffee Company

- 50% more inventory in same space - designed and fabricated more efficient storage system.
- Received 100% evaluation consistently and retained numerous loyal customers.
- Submitted invention designs to reduce waste & increase productivity.

ASE, Automotive Services Excellence Certified Technician **Houston, TX** **1998-2001**
Herr Schmidt's Volkswagen

- Invented & fabricated specialty tools that increased productivity and profitability.
- Performed initial diagnosis to completed work.
- Produced numerous loyal customers based on consistent level of quality service.

Sr. Automotive Accessories Installer **Houston, TX** **1993-1998**
Ochterbeck Distributing Company

- Initiated training for sales & installs, designed new product & installations, instigated new inventory control & built great return customers.
- Lowered warranty repair time by creating set troubleshooting methods for problematic installs.
- Developed & fabricated templates to allow for increased production & better product consistency.
- Designed & built multiple complex load bearing showroom displays.

EDUCATION

Texas A&M University **College Station, TX**
B.S., Mechanical Engineering, Minor in Business Administration-May 2006

Houston Community College **Houston, TX**
Associates Degree in Science – Student Government Parliamentarian - 2002

High School for the Performing and Visual Arts **Houston, TX**
Graduated with studies in graphic and fine arts

INTERESTS

Problem solving, hands-on projects, design, creating new or improved ways and means of doing things, graphic arts, playing music, civic, church and family time

AWARDS

#1 in Sales 2009, Who's Who, multiple engineering scholarships 2002-2005 and Leadership Academy -2002