

# Curriculum Vitae

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## Education

May 1986 – Fresno State University – Fresno, CA  
Bachelor of Science in Mechanical Engineering (BSME)

May 1999 – Midwestern State University  
Masters Degree in Business Administration (MBA)

## Work Experience

### **2018 to Present – JHD Product Liability Consulting LLC**

#### **President and Owner**

- Consulting Engineering Services for plaintiff and defendants in personal injury litigation
- Engineering Assessments of Manufactured Products and Systems
- Premises Liability and ADA Compliance Assessments
- Assessments of Negligence leading to Personal Injuries

### **2020-Present - Madix Inc. - Terrell TX**

#### **Design Engineering Manager**

- Responsible for all Product Design projects at Madix for retail display applications
- My projects teams develop custom designs and solutions for major retailers for throughout the US
- Detailed knowledge of low and high volume manufacturing processes including robotic systems and automated manufacturing systems
- Responsible to insure compliance with all local, national and industry standards for design safety and integrity
- Experienced of ADA assessments as it relates to commercial spaces and work spaces
- Capable of structural assessments of consumer and retail products, as well as issues related to building and construction
- Skilled at design and building test systems, interpreting results and publishing formal reports
- Working knowledge of seismic codes and assessments within commercial and retail environments

### **2018-2020 - Superior Sales and Service - Plattsmouth NE**

#### **Consulting Engineer**

- Developed specialized maintenance equipment for the railroad industry.
- Primary customers were Union Pacific, BNSF and Caterpillar
- Equipment developed to repair and maintain railroad track and right of ways.
- Worked with hydraulics, pneumatics, and control systems.
- Significant adaptations of Caterpillar earth moving equipment to High Rail applications
- Use of Finite Element Analysis for structural analysis

## **1999 to 2018 – Lozier Corporation, Omaha NE**

### **Vice President of Engineering**

- Responsible for all Product Design projects at Lozier for retail applications
- Responsible for Corporate Manufacturing Engineering Team which involved process improvements cost reductions and capital equipment purchases
- My projects teams develop custom designs and solutions for major retailers for throughout the US
- Detailed knowledge of low and high volume manufacturing processes including robotic systems and automated manufacturing systems
- Responsible to insure compliance with all local, national and industry standards for design safety and integrity
- Work with corporate counsel and external legal counsel to address all liability claims and litigation that came to us
- Experience with answering interrogatories, depositions and trial preparation as expert witness
- Skilled at researching accident claims and formulating coherent and scientifically-based assessments of those claims
- Experienced of ADA assessments as it relates to commercial spaces and work spaces
- Capable of structural assessments of consumer and retail products, as well as issues related to building and construction
- Skilled at design and building test systems, interpreting results and publishing formal reports
- Working knowledge of seismic codes and assessments within commercial and retail environments
- Experienced with import of manufactured product from China and Taiwan

## **1997 to 1999 – Acoustics Development Corporation (ADCO), St. Joseph, MO**

### **Vice President of Engineering**

- Responsible for all product designs developed for consumer web access systems and point of purchase, online sales, kiosks
- Developed customized designs and solutions for customers in the telecommunication industry and for commercial businesses
- Responsible for all development team activities including quality assurance, design testing, design validation and field trials

## **1991 to 1997 – Washex Machinery, a Division of Electrolux Sweden, Wichita Falls TX**

### **Director of Engineering**

- Responsible for all product designs developed for commercial laundry applications and textile processing equipment
- Our systems were very complex pieces of equipment involving many different technical disciplines
- Key disciplines employed were programmable microprocessors, pneumatics, hydraulics, vibration dampening and dynamic responses, structural calculations, thermodynamics and heat exchangers, chemical delivery systems, motors and inverters.
- Obtained three US patents while employed at Washex
- Familiarity with finite element analysis (FEA)

## **1990 – 1991 – General Dynamics, Fort Worth TX**

### **Lead Engineer Scientist**

- Responsible for structural design of key components in the military aircraft industry
- Specific experience on the F-16 fighter and the A12 experimental (secret) aircraft for the Navy
- Developed designs to meet the structural requirements associated with actual flight conditions
- Familiarity with finite element analysis (FEA)

## **1986 – 1991 – McDonnell Douglas Corporation – Long Beach CA**

### **Lead Engineer Scientist**

- Responsible for structural design of key components in the military aircraft industry
- Specific experience on the development of the C17 cargo aircraft for the military
- Developed designs to meet the structural requirements associated with actual flight conditions
- Experienced with finite element analysis (FEA)

### **Patents and awards**

- US Patent 5335523: Removable Heat Exchanger for industrial laundry machines
- US Patent 5272893: Enzyme bath maintenance system
- US Patent 5333338: Process for treating textile
- Volunteer of the year – 2008 Metro YMCA, Omaha Nebraska

### **Professional affiliations**

- American Society of Mechanical Engineers
- Society of Manufacturing Engineers
- Institute of Packaging Professionals
- Society of Plastics Engineering

### **Board Membership and Community Volunteer work**

- Board of Directors: Community Alliance, Omaha NE, 2003-present
- Board of Directors: YMCA, Omaha NE, 2001 – 2013
- Community Volunteer: Open Door Mission, Omaha NE, 2002 - 2005

### **Special Skills**

- Good working knowledge of MS Office programs (Word, Excel, PowerPoint)
- Skilled in various CAD systems, most recently AutoCAD and Autodesk Inventor
- Strong mechanical aptitude and ability to assess system reliability and functionality
- Certificate of completion for Perkins Coie LLP Product Liability Workshop
- Have attended numerous webinars on Witness Preparation, Deposition Preparation, and General Product Liability defense seminars.

**References:** Available upon request