

Contact

360-600-1513 (Mobile)
jth62bus@gmail.com

www.linkedin.com/in/jth62
(LinkedIn)

Top Skills

Product Development
Cross-functional Team Leadership
Mechanical Engineering

Languages

English (Native or Bilingual)
Spanish (Elementary)

Certifications

PMP - Project Management
Professional
Professional Engineer, PE

Patents

Ink container configured to establish reliable electrical and fluidic connections to a receiving station.

Orifice health detection device modulating linear sensor array

Print unit latch articulated low cost mechanism

Manifold for providing fluid connections between carriage-mounted ink containers and printheads.

Thermal compensation belt drive tension system

Jeff Hendricks

Retired.. Former director of engineering, Flawless Photonics
Camas, Washington, United States

Summary

Experienced engineering leader driving innovation and leading product development. Proven track record across multiple companies and technologies delivering over 20 low-high volume products to market and securing 30+ patents / trade secrets.

My retirement has transitioned into self-employment focusing on building and managing my personal commercial real estate portfolio diversified across multiple sectors.

Experience

H-CRL: Commercial Real Estate Investing and Lending
Business Owner, H-CRL
August 2012 - Present (12 years 6 months)
Camas, WA

Commercial Real estate ownership and management with private lending

Flawless Photonics
Director of Engineering
April 2020 - April 2022 (2 years 1 month)
Luxembourg, Luxembourg

Flawless Photonics is pioneering the first profitable supply chain in space producing the world's most transparent optical fibers that will outperform silica fibers by 20x. Our current mission is the development of an autonomous micro-gravity space manufacturing platform for deployment on the International Space Station collaborating with ESA, LSA and NASA.

Update: successful mission on the ISS in 2024 resulted in over 6km of ZHLAN fiber manufactured resulting in the world record!!

NOVO Engineering
Director, Engineering and Business Development
March 2018 - June 2019 (1 year 4 months)
Vista (San Diego area), California

Lead/collaborate in specialty print and medical device business development and R&D

JUUL Labs

VP, Engineering Research

October 2017 - March 2018 (6 months)

San Francisco, California

Head of engineering research for new product portfolio for all future nicotine and cannabis products. Lead and manage new product portfolio in collaboration with SLT.

Flex

Sr Director, Engineering & Technical Business Development

July 2013 - September 2017 (4 years 3 months)

San Jose, California, United States

Grow new strategic business through design, innovation, and Flex services to meet high customer demand and Time-to-Market needs. New strategic business development focuses on the Flex Sketch-to-Scale platform of services for core customers within the Flex consumer technology group.

Microsoft

Digital Sport - Engineering/Development

February 2013 - June 2013 (5 months)

Redmond, WA

Nike

Digital Sport technology consultant

December 2011 - February 2013 (1 year 3 months)

Beaverton, OR

Systems and statistical modeling for the Nike + ESP shoe sensor system development.

Maxcess International

Director, Research and Development

February 2010 - February 2013 (3 years 1 month)

Camas, WA

Research and Development center director for winding-packaging-slitting products. Managed new product portfolio and direct development life cycle for all new Tidland products. Lead the development of 7 products from concept to production.

HP

Sr R&D Engineer / Architect

June 1993 - February 2010 (16 years 9 months)

Vancouver, WA

Technology architect and development team leader for scanning and page wide array thermal inkjet print systems. Functional areas included media handling, pen development, servicing systems, carriage system design and modeling, and page wide printing architecture. 30+ patents and 3 trade secrets.

Arc Of Clark County The

Sponsor / Program Manager / Volunteer - Alexi's Garden

December 2005 - June 2009 (3 years 7 months)

Vancouver, WA

Sponsor, coordinate and manage an extensive 3 year philanthropy project at the Arc of Clark County. Project mission was to create an outdoor learning environment for developmentally delayed children and was in memory of Alexi Ann Hendricks. Total project valued at \$325k included managing 5000+ volunteer hours, 50+ in-kind sponsors, and \$150k+ monetary donations.

Useful Bits LLC

Principal and Co founder

July 2000 - May 2009 (8 years 11 months)

Camas, WA

Custom software development including Excel VBA applications, Statistical Monte Carlo software, Event Management/Timing Software, Consulting
- Nike + ESP stat model

Software:

- ExVar Monte Carlo simulation software
- Race Timer XL software suite
- other proprietary non-linear systems modeling tools

Lawrence Livermore National Laboratory

Research Development Mechanical Engineer

June 1987 - July 1993 (6 years 2 months)

Livermore, CA

Mechanical Engineer for conventional weapons and physics experimental sciences programs:

- Lead Engineer for experimental nuclear device simulation, development, manufacturing and testing

- TOW warhead high explosive wave front chemical kinetic simulation
- high altitude ocean ballooning telemetry experiment of warhead triangulation. Strategic Defense Initiative (SDI)
- Equation of state development H₂O at ultra high pressure- temperature. Non-linear simulation and gas gun benchmark.
- Stockpile Stewardship research : non-linear chemical kinetic model development + test... carbon phenolic deflagration in nuclear warhead systems
- Lead engineer on experimental pulse power weapon research and test. Development research lead and partnership with physics principle.

<https://www.youtube.com/watch?v=fI9BrwxwwbM>

Westinghouse Electric Company - Marine/Weapons Division Development Engineer

June 1986 - October 1986 (5 months)

Sunnyvale, CA

- Minuteman III weapons launching systems development
- Heat transfer, thermodynamic, mechanical simulation for the Minuteman III launching systems

Education

Stanford University

PhD studies, non-linear applied mechanics · (1991 - 1993)

Stanford University

Master of Science, Mechanical Engineering (MSME), Applied Mechanics, systems dynamics, non-linear heat transfer · (1988 - 1991)

Oregon State University

Bachelor of Science, Mechanical Engineering (BSME) · (1984 - 1987)

Linn Benton Community College

Engineering pre studies · (1983 - 1984)

Stayton High School

· (1977 - 1980)