

# PRESSURE RELIEF VALVE SEMINAR INSTRUCTOR'S RESUME

Stephen R. Irvin, Sr.

## EMPLOYMENT HISTORY

**09/13 to Present** JAC CONSULTING, INC., Charlotte, NC

**PRV Consultant Responsible** for Presentation of PRV Maintenance Training for Nuclear, Petrochemical, Refineries, Pharmaceutical Industries & VR Shops. QC Consulting for NBBI "VR" and ASME "V" & "UV" Assemblers. QC Manual Review & Revision, QC Program Implementation and National Board Review Participation.

**09/96 to 09/13** NATIONAL BOARD PRESSURE RELIEF DEPARTMENT, Columbus, OH

**Laboratory Manager** (1996-2010) Responsible for Test Lab operations, including scheduling, maintenance, testing & supervision of Lab Techs). Performed VR and ASME Shop Reviews, Device Selection Visits & Test Witnessing at ASME/NBBI accepted labs worldwide (AO). Served as Instructor at VR Seminars & Overpressure Protection Classes. **Senior Staff Engineer** (2010-2013) Responsible for Admin of PRV Certifications. AO. Continued to Performed VR and ASME Shop Reviews. Responsible for acceptance of QC Revisions & QC Manual Library upkeep at PRD. Continued as Instructor at VR Seminars

**1989 to 1995** U.S. Coast Guard, Marine Technical & Hazardous Materials Div.(MTH-2)

Senior Mechanical Eng. (GM-13) SME on boilers, auxiliary & engineering machinery, also represented Maritime Industry on several ASTM & NFPA subcommittees, to create industry standards to replace existing Federal requirements. Initiated & coordinated creation of a standard for testing for stress-cracking corrosion to replace mercurous nitrate testing after declaration as an environmentally dangerous testing process.

**1986 to 1989** U.S. Navy's Military Sealift Command MSC)

Assistant Project Manager (GS-12), Henry Kaiser class Oilers (T-AO-187) & Maury class Deep Ocean Research ships. Served as liaison with NAVSEA & various shipyards for construction of 15 Kaiser class Replenishment Oilers & two Maury class Research vessels. Assisting MSC's engineering branch in communicating merchant engineering & ship control system requirements to NAVSEA & relevant shipyards. Participated in quarterly progress reviews at shipyards & all sea trials for Kaiser, Joshua Humphreys & first Maury class ship.

**1983 to 1986** Advanced Technology Inc.

Sr. Systems Engineer, Supported NAVSEA's Saudi Naval Expansion Program, provided engineering advise & support for design & construction of Patrol Boats, Patrol Chasers, Minesweepers & support craft for the Saudi Navy. Also, supported the AEGIS Cruiser construction office of NAVSEA, providing engineering support, developing maintenance documentation for the engineering, weapons & ship control systems & equipment installed on AEGIS Guided Missile Cruisers & guided missile destroyers.

**1972 to 1982** U.S. Navy

Machinist mate Third Class, Midshipman, Commissioned Officer. Operated steam-powered engineering systems and equipment. Responsible for safe maneuvering of surface ships, managed preventative & corrective maintenance of both communication and engineering equipment. Qualified as Surface Warfare Officer. Officer-in-Charge of communication detachment on Replenishment Oiler manned mostly by civilian Merchant Seamen.

## EDUCATION

**Grad 06/86** Northern Virginia Comm. Coll. AAS Business Management (Cum Laude)

**Grad 06/77** U.S. Naval Academy, BS Mechanical Engineering emphasis

## INDUSTRY RELATED ACTIVITIES

**09/06 to 09/13** ASME accepted Authorized Observer

**09/91 to 09/01** Member of ASME Section I, Sub-Group on Design (SG-D)

**09/96 to 09/13** Instructor at NBBI VR Seminar

**09/96 to 09/13** Instructor at NBBI Overpressure Protection Classes

**09/91 to 09/96** Member of ASME Sub-Committee Safety Relief Valves

**09/93** "Voluntary Consensus Standards in the Marine Industry - A Success Story" ASTM

**Publication** Standardization News, Sept. 1993, pg. 32- 39