JAMES B. WOLF

Fort Wayne, IN

www.linkedin.com/pub/james-wolf/8/529/254/

260.637.6434

PRINCIPAL SYSTEMS ENGINEER

Technical Professional with a record of high quality and on-time performance, and a successful history of enhancing existing systems with new features and performance improvements. Skilled in all facets of the product development life cycle from analysis and design through development, implementation, documentation, production and training. Experience includes: circuit design, prototyping, product requirements and specifications, acceptance test procedures, operational testing, systems engineering and system of systems integration. Working knowledge of DOORS requirements tracking tool and CAE tools including ADS, HFSS and Pspice. Passionate about antenna design and propagation simulations - hold an Amateur Radio Extra-Class license.

Security Clearance: Top Secret - SSBI w/CI Polygraph – now expired.

PROFESSIONAL EXPERIENCE

Wolf RF Systems – Fort Wayne, IN. **2007 to present**

Owner
Small home business providing a low frequency receiving antenna systems for the amateur radio market.

EXELIS / ITT CORP., Fort Wayne, IN **2002 - 2013**

Principal Systems Engineer **2012 - 2013**
Lead system and technical engineer for the latest Exelis tactical radio development program, reporting to the Program Director of TAC Comm. Supervised up to 8 people in Software Development / Information Assurance and worked with subcontractors on discrepancies and timeliness. Led test teams for failure analysis, product verification and final certification. Designed communications architecture for complete country border security existing outside of the United States. (OCONUS).

- Achieved final Department of Defense (DOD) certification for tactical radio to secure $36M in sales with options for additional units.
- Led test teams to identify and correct deficiencies in product requirements during hardware and software development.
- Recognized by senior management for contributions above responsibility level and received Award of Excellence for outstanding performance.

Senior Staff Engineer **2010 to 2012**
Lead System Engineer for Situational Awareness hardware and software ancillary devices for multiple lines of tactical radios to enhance user capabilities. Reported to Sr. Program Manager and led teams of up to 10 people in specification and operational testing. Point-of-Contact for resolving issues with Avionics Radio integration with DOD and other customer platform integrators.

- Advised Program Manager and 5 engineers on critical HMI and functionality improvements that led directly to increase sales of core products.
- Created and tracked specifications from core requirements to assure full functionality.
- Commended by Program Manager for quick response and accurate information exchange with Avionics customer system integrators.

EXELIS / ITT (continued)

Staff Systems Engineer **2005 to 2010**

Chief Engineer accountable for the architecture through validation of a 1 GB high speed, wireless data collection system for field testing consumer and defense products. Demonstrated air-to-air and air-to-ground high speed data and video links to support DOD proposal. Member of technical staff for exploration of First Responder communications involving P25 and Mesh tactical radios. Lead RF engineer for propagation studies, where I oversaw the design and installation of an extensive High Frequency and Very High Frequency (HF/VHF) propagation transmitter and antenna system.

- Achieved the on-time, on-budget delivery of the 1GB data collection system in the face of significant project complications.
- Propagation test range provided $15M+ in revenue with follow on contracts.
- Received Award of Excellence for performance on propagation studies.
- Successfully met urgent deadline requirements for a unique "severe environment" data movement system by identifying and incorporating existing COTS components.
- Received the "Lighting Award of Excellence" for performance in air-to-ground demonstration from Vice President of new projects.

Senior Engineer **2002 to 2005**

Accountable for the design and modification of the FAA's MDR air traffic control (ATC) communication radios, specifically the transmitter and receiver sections. Participated in multiple business opportunity proposals, domestic and export. Wrote LRU product requirements and specifications for Joint Tactical Radio System (JTRS) "type" radios and amplifiers.

- Efforts resulted in FAA and FCC acceptance of air traffic control radios in use at all major airports.
- Received "Excellence Award" for meeting specifications and time deadline of FAA program.
- Promoted to Staff Systems Engineer based on performance and expertise.

RAYTHEON COMPANY, Fort Wayne, IN

Senior Electrical Engineer **2000 to 2002**
Master Technician **1997 to 2000**

Accountable for Radio Frequency (RF) circuit design from DC to 3 GHz, and Cognizant Engineer for various tactical manpack radio modules. Also worked on military handheld radio design involving tight SWAP requirements and an emphasis on low power consumption. Organized and solved integration issues with software and hardware disciplines on 4 communication platforms.

- Team efforts resulted in a major win for the next generation manpack / satellite tactical radio.
- Handheld radio team efforts secured a company contract win for a soldier handheld radio.
- Promoted from a technician to an engineer due to performance, enthusiasm and abilities.

EDUCATION

- **AS**, Electrical Engineering Technology, Purdue University, December 1995.
- Completed in-house sponsored system engineering course – Purdue University.
- Completed INCOSE in-house System Engineer Training
- Completed 5 professional development programs. Topics include wireless waveforms, LabView, Systems Engineering, HFSS and Agilent ADS.
- Completed a 2 week course on LabView programming.