
Recent Employment History

Lockheed Martin Corporation

By means of Nantero GBU acquisition
Deputy Program Manager
2007 - Current

The Boeing Company

Systems Engineer & Project Manager
2005 - 2007

Department of Defense

Software & Field Engineer
2002 - 2004

Professional Experience

Program Management

Led programs through major design reviews while being accountable for overall cost, schedule, and quality of contractual deliverables.

- Managed classified programs totaling in excess of \$75M, with over \$10M in incentive fee, from proposal stage through requirements, design, test, and delivery.
- Developed buy-to-packages for suppliers on production and modernization programs while ensuring a lean supply chain.
- Directly influenced strategic planning by succinctly briefing senior and executive management.
- Proactively managed risk, avoiding \$23M in redesign and missed production costs by leveraging \$6M of labor and materiel funds – a 72% cost avoidance.

Research & Development

Managed R&D programs for start-up company from early technology readiness through development and subsystem insertion; maintained cost, schedules and technical targets throughout company acquisition.

- Took over stagnant \$750k lithium-ion battery R&D program, successfully reached Phase I technical targets and won \$1.6M Phase II follow-on; contract closed out on-budget and on-schedule, met customer expectations, and resulted in additional development and productization contracts.
- Successfully led integration of nanotechnology-enabled memory device with emerging FPGA technology that is consistently used as a demonstration vehicle in front of potential clients.
- Demonstrated feasibility of carbon nanotube chem/bio sensors utilizing manufacturable techniques.
- Speaker for state-of-the-art nanoelectronic devices at conferences such as AFRL's *Radiation Hardened Electronics Technology* and Lockheed Martin's *Anti-Tamper Symposium*.

Systems Engineering

Performed concurrent systems engineering on a distributed architecture.

- Led cross-company trade study team to validate \$100M+ annual work-share agreement with contract partner; executive management still uses out-brief today to emphasize fidelity and value of product.
- Improved quality and validity of system requirements by instigating unified modeling language (UML) techniques and standard processes for requirements analysis and development.
- Identified cross-baseline and cross-architectural impacts, defined system interfaces, allocated subsystem requirements, and performed overall system integration, validation, and verification.
- Recruited to support requirements quality assessment for must-win programs with input directly increasing overall quality metrics.

Software & Field Engineering

Developed, deployed, and operated classified quick response capabilities.

- Directed and executed prioritized plans for deployed systems around the world while successfully working with wide-ranging diversities and cultures in various nations.
- Designed and developed signals intelligence (SIGINT) tools for the latest wireless technologies.
- While in the field, integrated new software routines and manual procedures to reduce collection and analysis time from two hours to ten minutes on high priority mission system.

Education

Master of Science

Systems Architecture & Engineering
University of Southern California
3.78 / 4.00 Cumulative GPA

Bachelor of Science

Computer Engineering
Iowa State University
3.97 / 4.00 Major GPA
3.65 / 4.00 Cumulative GPA