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Executive Profile – Senior Engineer and Program Manager

25 years of results-driven leadership in national security space with extensive expertise in Space Systems, Program Management, and Space Launch Operations. Proven track record leading large, highly complex satellite acquisition programs in challenging environments. Visionary leader with strong technical, problem solving, communication, coaching, mentoring, and interpersonal skills. Focused on timely and efficient delivery of the nation's most challenging defense systems.

Skill Highlights

- Government Acquisition
 - Space Systems
 - Systems Engineering
 - Organizational Leadership
 - Strategic Planning
 - Communication
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Core Accomplishments

- Developed, manufactured, integrated, launched, operated, and maintained ten national security satellites
 - Directed four Major Defense Acquisition Programs through multiple program and oversight reviews
 - Led operational C2 system and data center installation, recapitalization, consolidation, and maintenance
 - Directed EELV launch integration, test, and countdown operations from Vandenberg Air Force Base
 - Interfaced with senior Air Force, DNI, and DoD leadership to provide status and earn Milestone approvals
 - Lt Gen Kenneth W. Schultz Award for Outstanding Program Manager, Air Force Association
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Experience

Senior Program Manager, National Reconnaissance Office (NRO), June 2012 – Current

Chantilly, Virginia

- Managed 150 government, 3000 contractor personnel executing two satellite programs worth \$19 Billion
- Administered \$500+ Million annual budget conducting full life-cycle acquisition from early risk reduction and technology development through design, manufacturing, launch, and on-orbit support
- Launched two satellites, resolved NRO's toughest on-orbit anomaly, accelerated launch and saved \$50M
- Managed and mentored all Air Force military and civilian program managers (~200) in the NRO

Program Manager, Space & Missile Systems Center, June 2008 – June 2012

Los Angeles Air Force Base, California

- Led 70 gov't, 1000 contractors executing the \$4B Global Positioning System Block III satellite system
- Efficiently executed \$300M-\$500M annual budget within stringent Earned Value Metrics guidelines
- Led System Requirements, System Design, Preliminary Design, and Critical Design Reviews
- Conducted trade studies and make/buy analyses to manage program risk and meet schedule commitments

Operations Director, 4th Space Launch Squadron, June 2006 – June 2008

Vandenberg Air Force Base, California

- Led 60 gov't personnel ensuring mission assurance and contractor performance in transportation, build-up, satellite integration, system test, and launch operations for the Evolved Expendable Launch Vehicle
- Directed processing and launch for the first West Coast Atlas V mission delivering a \$1.2B satellite to orbit
- Streamlined processing of the second Atlas V by 10%, implemented other efficiencies saving \$98M/year

Chief, Legacy Satellite Ground Systems, NRO - June 2002 - June 2006

Chantilly, Virginia

- Designed satellite command & control recapitalization program to modernize 14-year old legacy system
- Replaced aging ground system, slashed software lines of code 50% and lowered maintenance cost 30%
- Initiated seamless transition of ops site relocation to comply with Base Realignment & Closure mandates
- Authored architecture roadmap to consolidate multiple satellite ground processing architectures into one

Ground Systems Engineering Director, Air Force Communication Support Facility - June 1998 - June 2002

Las Cruces, New Mexico

- Directed all engineering and maintenance activities for critical Air Force communication node
- Provided high-reliability 24/7 data center operations for critical national security mission
- Architected innovative COTS processing system to replace aging, custom-built high-performance system

Chief, Delta II Launch Support, SMC Detachment 8 – Oct 1996 - June 1998

Cape Canaveral, Florida

- Directed all launch-base program office support for the Delta II space launch program
- Provided launch countdown anomaly resolution support for multiple DoD and NASA launches
- Accelerated new launch control center construction and C2 system installation by 5 months

Upper Stage Mechanical Engineer, 5th Space Launch Squadron – Jan 1995 – Oct 1996

Cape Canaveral, Florida

- Directed all mechanical and propulsion tasks for the Titan IV Centaur and Inertial Upper Stages
- Provided daily and on-console launch countdown anomaly resolution support for four Titan IV missions

Education

- Program Management Professional (Program Management Institute)
- MS : Mechanical Engineering, University of Dayton
- BS : Aerospace Engineering, University of Kansas
- DAWIA Level III Program Manager Certification, Defense Acquisition University

Additional Skills

Schedule Management, Budgeting, Earned Value Management, Requirements Development, Operations, Risk and Opportunity Management, Change Management, Personnel and Professional Development, Problem Solving, Mentoring, Motivating