

JONATHAN PATRICK SNOW

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OBJECTIVE

TS-cleared Systems Engineer seeks DOD/IC technical/project management position that demands a combination of technical and leadership acumen and communication skills.

SUMMARY

- **Excellence in technical, project management, and production roles** on high-performing design/build teams, including as government Program Manager for production of Fire Control System and integration of the TRIDENT II Strategic Weapon System (SWS) for US COLUMBIA and UK Dreadnought Class Submarines; certified DAWIA Level 3 (SPRDE)
- **Strong leadership** in roles consistently escalating in responsibility – core strengths include strategic planning, facilitating team collaboration, and exceeding goals within budget constraints
- **Excellent oral, written, and electronic communication skills** evidenced by preparing and delivering reports and briefings to senior Defense executives (to SES and Assistant Secretary levels) and Naval Officers (to three-star Flag level), leading complex technical negotiations, leading Integrated Product Teams (IPTs) of diverse stakeholders, and developing strong and productive work relationships
- **Strong diplomatic and problem-solving skills** tested and proven in the face of dynamic, stressful, and politically-charged environments, with an **intuitive sense of discretion in communications**
- **Success in diverse technical and programmatic areas**, including project management, systems engineering, risk management, structures/shock/materials, testing, HSI, sustainment, and budgets/contracts
- **Personal integrity**: unwavering honesty, loyalty, persistence, and team-first attitude
- **Adaptable**: successfully transitioned from US Government technical program manager for Navy submarine programs to network-centric ISR contractor in the IC

WORK EXPERIENCE

Altamira Corp. / Virginia Systems and Technology (VaST), Inc.

[Clearance: TS/SCI]

Sep 2021 – present
Warrenton, VA

Systems Engineer

- Performed Systems Engineering efforts for real-world implementation of technical concepts for multiple ISR platforms, supporting multiple DOD customers and other government agencies/offices
- Provided Systems Engineering support for USMC Wideband SIGINT Collection System, with responsibilities including:
 - Constructing high-level project architectures, such as DOD OV-1, OV-2, and SV-1 system views
 - Developing three-dimensional CAD models to optimize system enclosure space for modular hardware integration
 - Drawing high-level wiring diagrams for system integration
 - Hardware and fabrication troubleshooting
 - Developing systems test plan and requirements map for system sell-off process
 - Generating project documentation for Government customer, including Hardware/Software Version Description, User Manual, and System Admin Manual
 - Assisting with installation/test/exercise preparation and test support
 - Developing test and validation/verification (V&V) plans to demonstrate solutions and requirements traceability

- Led a data analysis effort for a SIGINT reporting / dissemination tool for DOD/SOF/IC to assist developers in streamlining code, with responsibilities including:
 - Data collection from various sources
 - Filtering data to quantitatively and qualitatively assess utility of fields
 - Identifying redundant data fields and recommending consolidation and/or deletion
 - Recommending actions to meet customer mission needs when data fields are modified
- Established company's relationship with Navy Special Warfare (NSW) community, enabling placement of corporate assets on test range and ongoing test of ISR prototypes
- Engaged with customer to inform systems engineering trade studies
- Documented project successes and statuses clearly in written and verbal form to Government sponsor
- Collaborated with code developers on effective development and evaluation of potential future capabilities to meet emerging needs
- Initiated build of high-level architectural system descriptions for corporate core technical capabilities that had never been documented, usable for reference by fellow employees and customers

US Navy Strategic Systems Programs Office [Clearance: Top Secret]

May 2018 – Sep 2021

Fire Control System Production Program Manager (GOV)

Washington, DC

- Managed all technical, qualification, acceptance, contractual, schedule, budget, cost, administrative, and delivery aspects of production for all US and UK submarine-hosted strategic Fire Control Systems
- Led development, execution, Earned Value Management (EVM), and oversight of \$2-Billion in production contracts for Fire Control System builds and refreshes, on behalf of the US and UK Navies
- Resolved production issues, achieving production approval in final Production Readiness Review (PRR)

US Navy Strategic Systems Programs Office [Clearance: Top Secret]

Nov 2008 – Mar 2014

Systems Engineer/General Engineer/Major Area Team Leader (GOV)

**Sep 2014 – May 2018
Washington, DC**

- Led a cross-functional IPT made up of engineers from two program offices, five major defense contractors, and three government laboratories to integrate all 1,036 ship spatial arrangements for the COLUMBIA Class / Dreadnought Class Submarines' Common Missile Compartment / Missile Control Center
- Developed the COLUMBIA Class Technology Development Strategy (TDS) for DOT&E approval, supporting successful Milestone A, Milestone B, and technical design reviews (including PDR and CDR)
- Managed support contract and led fact-finding efforts on Common Missile Compartment (CMC) contracts
- Prepared / presented briefings to Navy leadership on high-visibility technical issues and program progress

Catholic Archdiocese of Addis Ababa

Apr 2014 – Aug 2014

Business Development and Project Planner

Ethiopia

- Designed and implemented business development strategy for Archbishop of Addis Ababa
- Coordinated project communications with foreign Bishops/Cardinals

Program Executive Office – Integrated Warfare Systems (PEO IWS)

Sep 2006 – Nov 2008

Lead Engineer, Royal Norwegian Navy Aegis Program (GOV)

Washington, DC

- Led all engineering efforts for \$100-million Aegis system for Royal Norwegian Navy, managing/approving software designs, enhancing combat system performance; led studies for two additional foreign navies
- Established performance criteria and conducted evaluations in support of contract awards and renewals
- Directed troubleshooting exercises and lessons-learned analyses for Norway's first-ever offshore Aegis test
- Trained government program office and all support contractors in security and foreign releasability

US Navy OHIO Class SSGN Submarine Program Office**Oct 2002 – Sep 2006****Shock/Materials/Welding Systems Integration Team Leader (GOV)****Washington, DC**

- Managed survivability/materials/welding efforts for the \$2.8-billion OHIO Class SSGN submarine design modernization/upgrade, assuring all systems met operational and underwater explosion requirements
- Developed, monitored, and managed annual budgets for shock qualification support efforts
- Led team of engineers and managers from five government program offices, four major defense contractors, and support activities in qualifying all submarine systems to withstand underwater shock
- Tracked shock qualification program progress, regularly briefed Pentagon/DOT&E officials on compliance

NAVSEA-Carderock Structures and Survivability Directorate**Jun 2000 – Oct 2002****Underwater Explosions Shock Test / Qualification Engineer (GOV)****West Bethesda, MD**

- Performed analysis and explosive shock testing of ship hulls and system designs, including full-scale offshore shock test of USS Winston S. Churchill; supported Environmental Impact Study development
- Applied modeling and simulation (M&S) and test and evaluation (T&E) to evaluate underwater shock survivability of ship systems; designed test parameters/vehicles for live-fire UNDEX shock tests

EDUCATION

The Johns Hopkins University

Master of Science, Systems Engineering

May 2016**Baltimore, MD****Georgia Institute of Technology**

Bachelor of Science, Mechanical Engineering

Certificate, French; National Championship Silver Medalist, Rowing

May 2000**Atlanta, GA**

SKILLS, CERTIFICATIONS, AND TRAINING

- Engineer-in-Training (EIT) Examination passed: April 2000
- Certified DOD-5000 series Acquisition/Procurement Professional: Defense Acquisition University (DAU) DAWIA Level 3 (Systems Planning, Research, Development, and Engineering - SPRDE), September 2012
- Working-level experience and training in Model-Based Systems Engineering (MBSE) and in three-dimensional Computer Aided Design (CAD), including Autodesk 360 and Inventor
- Proficient in MS Project, Excel, Word, Visio, PowerPoint; experience with Agile, JIRA, CORE
- National Ski Patrol: 15+ years as patroller and first-aid instructor; Avalanche Level I certified
- Relevant technical and process-oriented training courses listed in Addendum 1

AWARDS

- Time-Off Award in recognition of outstanding efforts in support of production contract award 2019
- PEO-SUBS Team Award, First Place, for Common Missile Compartment Design 2017
- Meritorious Unit Commendations 2013, 2015
- PEO-IWS "Excellence" Award for Efforts on Combat System study 2008
- PEO-IWS "On-the-Spot" Award in recognition of outstanding support of Norway testing 2007
- David Packard Award for Excellence in DOD Acquisition 2007
- SSGN Program Manager Special Commendation 2003
- Department of Navy Team Award for Shock Trial of USS Winston S. Churchill (DDG-81) 2002

REFERENCES

References and additional information on past positions provided upon request

ADDENDUM 1: RELEVANT COURSES AND TRAINING

- Agile Training for Development Efforts: 2019
- Submarine Safety, Deep Submergence Systems, and Fly-by-Wire Ship Control Systems: 2002-2006, 2008-2018, annually
- Trident II Missile Detailed Course: Jul 17
- Strategic Navigation System Training Course: Mar 17
- TRIDENT II Accuracy Training Course: 2013
- SSP Root Cause and Corrective Action (including Failure Modes, Effects, and Critically Analysis - FMECA) Training Course: Nov 10
- Continuous Improvement Basic Awareness: Nov 10
- SSP Systems Engineering Course: Jul 09
- SSP Strategic Weapons System Overview Course: Mar 09
- SSP Principle Awareness Training Course: Jan 09
- Foreign Disclosure and Releasability Training: 2006-2008, annual
- Security Training: 2006-2008, annual (served as trainer)
- Standard Missile-2 Theory of Operations Course
- NAVSEA Introduction to Modern Radars: Jul 2007
- Aegis Weapon System Indoctrination Training for Cruiser and Destroyer: Nov 06
- LEAN/Six-Sigma: 2002-2006, annual
- Shock and Vibration Information Analysis Center (SAVIAC) Response of Marine Structure to Underwater Explosions: February 2003
- Navy Explosives Arming/Handling Training (explosives safety, storage, test preparation, arming, and operation of explosives firing system): June 2000-January 2002
- Underwater Acoustics for Non-Acousticians: Fall 2002
- Passive Sonar and Underwater Acoustics I: Fall 2002
- Dynamic Design Analysis Method (DDAM) short course: Summer 2002
- Basics of Naval Explosives Hazard Control: May 2001
- DOD Technical Writing and Briefing: Fall 2000