

KYLE ARESTIVO

ENGINEERING & PROGRAM LEADER | MARITIME | NUCLEAR | PUBLIC SERVICE | MISSION BUILDING

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U.S. Citizen | Active DoD Secret Clearance | LCDR (O-4), U.S. Navy Reserve

10+ YEARS

ENGINEERING &
OPERATIONS

\$400K+

NONPROFIT REVENUE
BUILT

GS-13

FEDERAL TECHNICAL
LEADERSHIP

LCDR

U.S. NAVY
RESERVE

PORTFOLIO PROFILE

Engineering and program leader with more than a decade of experience across U.S. Navy and Military Sealift Command operations, naval nuclear testing, federal nuclear programs, fleet maintenance, technical AI evaluation, nonprofit growth, and founder-led organizational development. Known for translating high-consequence requirements into clear priorities, aligned teams, defensible decisions, and measurable execution across technical, operational, public-service, and mission-driven environments.

ENGINEERING DEPTH

Shipboard operations, nuclear testing, fleet maintenance, modernization, and technical risk.

ENTERPRISE EXECUTION

Cost, schedule, quality, stakeholder alignment, executive advising, and accountable delivery.

MISSION BUILDING

Governance, funding readiness, nonprofit growth, operating systems, and durable public benefit.

PROFESSIONAL EXPERIENCE

Port Engineer (GS-13 Equivalent)

T-SOLUTIONS INC. | NORFOLK, VA | MAR 2025 - PRESENT

- Serve as the designated TYCOM and Commanding Officer representative for off-ship maintenance, repair, modernization, and availability execution across USS Bainbridge, USS Laboon, and USS Cole.
- Integrate ship's force, RMCs, planning yards, contractors, and technical authorities to control scope, schedule, technical, quality, material, and operational-readiness risk through execution and closeout.
- Use MFOM daily to support 90x90 CSMP, MMBP, PB4M, Lock Letter, modernization, and availability decisions. Earned Port Engineer Level III / CSPE in the first year and a top overall performance rating of 5.

Strategic Sealift Officer | LCDR (O-4)

U.S. NAVY RESERVE / MILITARY SEALIFT COMMAND | JUN 2015 - PRESENT

- Serve as N6 Information Technology & Communications Department Head supporting MSC Headquarters, the Maritime Global Operations Center, and Battle Watch Captain station; lead readiness, task coordination, issue tracking, and stakeholder communication.
- Coordinate military and civilian stakeholders around operational watchfloor requirements and technology dependencies; supported Turbo Challenge 2026 as a top contributor to DSM, DMO, and Dry Cargo / Tanker operations.
- Maintain Navy, merchant-mariner, USCG licensing, and STCW readiness; previously selected for a competitive active-duty Strategic Sealift Officer Program Office staff billet.

Nuclear Engineering Technician (0801), GS-13

U.S. DEPARTMENT OF ENERGY HEADQUARTERS | AUG 2022 - MAR 2025

- Managed and evaluated Nuclear Waste Policy Act activities involving Standard Contract claims between the U.S. Government and nuclear utilities, integrating technical, cost, schedule, contractual, and risk evidence into defensible recommendations.
- Served as technical advisor to the Office of General Counsel, Inspector General, Department of Justice, GAO, and Congress on complex engineering, contract-claim, cost, risk, and oversight matters.
- Produced executive briefings, memoranda, analyses, and responses for senior leaders; supported realized federal cost savings.

Nuclear Engineer / Shift Test Engineer & Supervisor (0840), GS-13

NORFOLK NAVAL SHIPYARD | SEP 2017 - AUG 2022

- Led safe testing, major maintenance, and alterations on shipboard nuclear reactor platforms during complex surface-ship and submarine overhauls, integrating engineering, planning, production, testing, quality, ship's force, and technical authorities.
- Controlled configuration, test boundaries, work interfaces, procedural compliance, issue escalation, and technical risk; drove technically defensible resolution through return to service.
- Completed Norfolk Naval Shipyard Nuclear Power School, passed the NAVSEA 08 written examination and oral board, qualified as an S6G and Moored Training Ship Nuclear Shift Test Engineer, and served through Shift Test Supervisor duties.

MISSION BUILDING, TECHNOLOGY & MARITIME EXPERIENCE

Founder | Mission Forge Ecosystem

MISSION FORGE ADVISORY LLC + MISSION FORGE FOUNDATION | AUG 2026 - PRESENT

- Building distinct advisory and public-benefit organizations that help startups and nonprofits strengthen formation, governance, funding readiness, grant management, operations, and sustainable execution. [Mission Forge Advisory](#) | [Mission Forge Foundation](#).
- Developed the Mission Forge Method, readiness assessment, Forge Score, and connected operating products to translate organizational ambiguity into prioritized, measurable action while preserving clear legal, governance, and ethical boundaries.

Technical AI Evaluation Consultant / Engineering Occupational Reviewer

MERCOR INTELLIGENCE + MICRO1 | SEP 2025 - PRESENT | PART-TIME

- Develop, review, and quality-assure AI-enabled technical tasks and outputs in nuclear engineering, reactor operations, and real-world engineering workflows, assessing accuracy, realism, safety, and decision usefulness.

Founder, President & Administrative Programs Director

TRAILS OF PURPOSE, 501(C)(3) | APR 2019 - DEC 2025

- Built and led a veteran-service nonprofit from startup to more than \$400,000 in gross revenue over six years, establishing strategy, governance, budgets, fundraising and grant pipelines, partnerships, programs, and no-cost services for military families.
- Designed SOPs, CRM and digital workflows, KPI / OKR reporting, technology infrastructure, risk controls, and partner communications while coordinating board members, volunteers, and service partners.

Marine Readiness Consultant

TMMG / USNS MERCY | MAR 2016 - SEP 2017

- Conducted engineering-readiness review for hospital-ship life-extension work and developed repair, upgrade, and alteration documentation for bilge, ballast, sludge, and potable-water systems.

Third Assistant Engineer / Officer in Charge of Engineering Watch

USNS GILLILAND | PATRIOT CONTRACT SERVICES / MSC | AUG 2015 - DEC 2016

- Directed safe operation, maintenance, troubleshooting, casualty response, and material readiness for propulsion, electrical, pumping, piping, and auxiliary systems in an underway environment.

EDUCATION, CREDENTIALS & TOOLS

EDUCATION B.S., Marine Engineering Systems United States Merchant Marine Academy, 2015 ABET accredited GPA 3.66 Class rank 15 M.S., Exercise Science - Human Performance Liberty University, 2022 GPA 3.76	ADVANCED QUALIFICATIONS Norfolk Naval Shipyard Nuclear Power School; successful NAVSEA 08 written examination and oral board; S6G and Moored Training Ship Nuclear Shift Test Engineer; Shift Test Supervisor experience. Master's-level technical rigor and advanced professional education; not presented as an accredited academic degree.	LICENSES & TOOLS USCG Second Assistant Engineer, Unlimited Horsepower; STCW; FE exam; Port Engineer Level III / CSPE. MFOM, Microsoft 365, Excel, PowerPoint, Teams, Salesforce, Slack, ChatGPT, Codex, AutoCAD, CRM and workflow design.
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SELECTED PLATFORMS & LEADERSHIP SCOPE

Platforms: USS Bainbridge, USS Laboon, USS Cole, MTS La Jolla, USS Rhode Island, USS George H.W. Bush, MTS San Francisco, USS Albany, USS Pasadena, MAERSK Peary, APL Agate, USNS Gilliland, Horizon Pacific, USNS Comfort, and USNS Mercy.
Leadership scope: Marine engineering; program execution; nuclear testing; fleet readiness; cost, schedule, quality, and risk; government and executive advising; nonprofit governance; funding strategy; KPI / OKR systems; digital modernization; technical AI evaluation.

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