

PROFESSIONAL SUMMARY

- Bachelor of Science in Mechanical Engineering, State University of New York Maritime College, 2007.
- Master of Science in Engineering Management, Old Dominion University, 2017.
- US Navy Nuclear Engineering Program (Nuclear Power, Reactor Operator, Electronics/Electrical Engineering).
- US Navy Retired – Naval Submarine Warfare Officer. Career experience in nuclear, electrical and electronic systems as well as vessel operation and navigation. Operational and administrative positions at the Naval Oceanography Center and Naval Oceanography Operations Command.
- Primary areas of consultation include electrical and electronic systems, AC/DC power systems and mechanical utility systems including: pressurized systems, pressure vessels, power boilers, power turbines, pumps, heat exchangers and shipboard and marine engineering systems.
- Residential construction, foundation and roof inspections related to construction defect, water intrusion/damage and foundation failure/deflection analysis.
- Experience including gas engine and electric motor driven reciprocating compressors; gas turbine and high speed electric driven centrifugal gas compressors; shipboard power systems and instrumentation system evaluations including failure mitigation; pump and compressor power and control system evaluations; maintenance activities for oxygen compression systems, synthetic gas regeneration systems, and plant power distribution system; and installation of premium efficiency motors, alternative power generation (cryogenic turboexpanders), and load shedding schemes.
- Experiences include detailed on-site analyses, repair scope and specification development, acceptance testing, validation and equipment re-commissioning. Analyses are conducted according to current NETA, API, IEEE, and NEMA other applicable standards.

EMPLOYMENT RECORD

- 2022 – Present **AMAZON DATA SERVICES, INC.**
Regional Field Engineer. Provide a variety of engineering services in support of regional Data Centers (e.g., audits, root cause analysis, corrective actions, design and construction support, et cetera).
- 2017 – Present **MCDOWELL OWENS ENGINEERING, INC.**
Consultant - Consulting Engineer. Areas of primary interest include: electrical (AC/DC) and electronic systems, electrical and mechanical utility systems to include: pressure vessels, power boilers, power turbines, pressurized fluid systems and shipboard and marine engineering systems. Shipboard systems and navigation.

○ 1997 – 2017

UNITED STATES NAVY

Naval Submarine Warfare Officer. Assignments included numerous training commands, tours of duty onboard three submarines, and operational/administrative positions at the Naval Oceanography Mine Warfare Center and Naval Oceanography Operations Command.

EDUCATION

- Bachelor of Science in Mechanical Engineering, State University of New York Maritime College, Bronx, New York, 2007.
- Master of Science in Engineering Management, Old Dominion University, Norfolk, Virginia, 2017.
- US Navy Nuclear Engineering, (Nuclear Power, Reactor Operator, Electronics/Electrical Engineering), various 2008-2013

REGISTRATIONS, LICENSES & CERTIFICATIONS

- Licensed Professional Engineer
 - Alabama No. 50217
 - Florida No. 92898
 - Georgia No. 47740
 - Louisiana No. 46101
 - Mississippi No. 32396
 - Oklahoma No. 32894
 - Texas No. 131095
- Certified Fire and Explosion Investigator (C.F.E.I.)
National Association of Fire Investigators (N.A.F.I.)
2018 by examination
N.A.F.I. No. 23478-13441
- Federal Aviation Administration, Remote Pilot, Small Unmanned Aircraft System.
Certificate No. 4148174

CONTINUING EDUCATION (SELECTED)

- MK 18 Unmanned Underwater Vehicle Family of Systems Operator and Maintenance School, San Diego, California, March – May 2013
- Navy Operational Risk Management and Safety, Jacksonville, Florida, January 2013
- Submarine Officers and Supervisors Quality Maintenance, Silverdale, Washington, February 2011
- Naval Nuclear Power Prototype Training, Goose Creek, South Carolina, July – December 2008

- Naval Nuclear Power School, Goose Creek, South Carolina, January – June 2008
- Naval Science Institute, Providence, Rhode Island, April – June 2004
- Submarine Force Quality Assurance Inspector, Groton, Connecticut, November 2002
- Electronics Technician Maintenance School, Groton, Connecticut, April – May 2001
- Naval Nuclear Power Prototype Training (Reactor Operator), Ballston Spa, New York, January – July 1999
- Naval Nuclear Power School (Electronics), Orlando, Florida, June – December 1998
- Nuclear Electronics Technician “A” School, Orlando, Florida, December 1997 – June 1998

PROFESSIONAL MEMBERSHIPS / CERTIFICATIONS / QUALIFICATIONS (SELECTED)

- Submarine, Nuclear Reactor Plant (Critical Reactor Plant):
 - Auxiliary Electrician Aft
 - Electrical Operator
 - Reactor Technician
 - Reactor Operator
 - Engineering Watch Supervisor
 - Engineering Officer of the Watch
- Submarine, Nuclear Reactor Plant (Shutdown Reactor Plant):
 - Shutdown Electrical Operator
 - Shutdown Reactor Operator
 - Engineering Duty Officer
- Navy Maintenance and Material Management Qualifications (3M Program):
 - Work Center Supervisor
 - Division Officer
- Navy Quality Maintenance Program Qualifications (QA Program):
 - Steam Plant Inspector
 - Quality Assurance Inspector
 - Quality Assurance Supervisor
- Submarine, General Shipboard:
 - Navigation
 - Officer of the Deck
 - Ship’s Duty Officer
 - Submarine Warfare (Officer)
- National Fire Protection Association, Company Affiliation
- Certified Diver