

Brian J. MacDonald

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PROFESSIONAL SUMMARY

Mission-focused Quality Assurance and Metrology professional with 15+ years of experience delivering compliance excellence and technical leadership across defense, pharmaceutical, and medical device sectors. Proven track record of aligning operations with ISO 17025, DoD, and FDA standards while managing cross-functional teams, modernizing QA systems, and driving successful audit outcomes. Currently pursuing an MBA and seeking a summer internship opportunity to enhance capabilities in program strategy, leadership, and portfolio management.

SECURITY CLEARANCE & CERTIFICATIONS

- **DoD Secret Security Clearance** (Current)
- Microsoft Office Specialist | CPR Instructor
- Cybersecurity Awareness Certified
- Leadership Institute Certified
- ISO 17025 / 9001 Implementation | cGMP, GLP, GCP, GxP Compliance

CORE COMPETENCIES

- Quality Assurance & Compliance (DoD, FDA, NIST)
- Laboratory & Metrology Management
- Project & Portfolio Management
- SOP Development & Technical Writing
- Regulatory Audit Readiness (DLA, ISO, FDA)
- Strategic Leadership & Team Development
- Cloud & Data Acquisition Technologies

PROFESSIONAL EXPERIENCE

Raytheon Technologies – Portsmouth, RI

Lead Engineering Laboratory Manager | 2023–2024

- Directed all lab operations, quality compliance, and infrastructure readiness across a key Raytheon site.
- Led a team of lab managers supporting engineering programs under strict security and QA protocols.
- Ensured alignment with DoD security procedures, site safety, and ISO-certified quality systems.

Contech Research Inc. – Rumford, RI

Quality Assurance Manager | 2021–2023

- Revitalized legacy QA program, aligning operations with ISO 17025 and DoD testing standards.
- Successfully passed DLA audit with minimal prep, exceeding federal compliance benchmarks.
- Oversaw testing lab operations and implemented updated documentation controls.

Azzur Group (Consulting for Moderna, Takeda, Sanofi) – Waltham, MA

QA, Field Service & Business Manager | 2019–2021

- Built ISO 17025/9001 quality program from ground up; authored 250+ SOP pages.
- Managed cross-functional teams and led client-facing QA and compliance initiatives.
- Reviewed CAPAs, approved contracts, and guided strategic lab compliance improvements.

U.S. Navy – NUWC (Naval Undersea Warfare Center) – Newport, RI

Metrology Manager, Physical Section | 2014–2019

- Managed 5,000+ metrology projects critical to undersea systems and fleet readiness.

- Partnered with National Physical Standards Lab on acquisition protocols affecting Navy-wide calibration practices.
- Coordinated QA reviews, improved lab throughput, and implemented system-wide updates.

Autocam Medical – Plymouth, MA

QA Program Manager | 2013–2014

- Directed calibration and QA inspection programs for precision medical devices.
- Applied GD&T and advanced schematics to maintain FDA and ISO compliance.

U.S. Air Force – Aviano, Italy & Goldsboro, NC

QA & Metrology Specialist | 2008–2013

- Supervised multi-unit calibration labs supporting NATO and stateside operations.
- Authored training programs now standardized across the Air Force MetCal community.
- Recognized by Air Force audit teams for QA program excellence.

EDUCATION

MBA, Business Administration (In Progress)

Roger Williams University – Bristol, RI | *Anticipated May 2026*

B.S., Global Business & Economics

Salve Regina University – Newport, RI | 2019

Concentration: Cybersecurity, Global Economics, Blockchain

A.S., Business Administration

Community College of Rhode Island – Warwick, RI | 2017