

CANDIDATE NAME

USMC-trained Aircraft Mechanic

Highly skilled **USMC-trained Aircraft Mechanic, TS/SCI Polygraph Clearance, Mil-STD Certified**, with over 10 years of combined military and civilian experience supporting aircraft and **Aerospace** programs. As **Test Operations Technician** at **COMPANY A**, completed over 30 missions working on F-9 booster and M1D Merlin engines. While in the **USMC**, disassembled over 350 engines and inspected parts, such as turbine blades, for corrosion, wear, warping, cracks, and leaks, using precision measuring tools. Tested over 500 engines and other systems, using test equipment and trouble-shooting methods to repair malfunctions in the engine. **Directly supervised five technicians**; was responsible for providing skilled training and technical direction. Adept in **mechanical** and **electronic assembly**. Well-versed in the **application of epoxies, laminates, and silicone**. Able to monitor and verify **quality** in accordance with statistical process or other control procedures and perform **continuity checks** of work-in-progress. Dedicated and dependable with strong work ethic. Trained in **OSHA, ISO, Cleanrooms, Tool Control, Kanban, Kaizen, 5S, ESD, FOD, Hazmat, PPE, Six Sigma, and Lean Manufacturing**. Proficient in **MS Office Suite** (Word, Excel, PowerPoint).

- Experienced in electronic assembly, soldering, harness assembly, box builds, and cabling
- Assembly experience with modules, panels, drawers, frames, and cables
- Adept with mechanical assembly of modules and housings by inserting CCA's, potting, and applying torque as required
- Skilled in building wire harnesses from a wire list, cutting and measuring wires, crimping, shielding, torqueing, soldering, terminating, potting, routing, and installing
- **Tools:** fine tip soldering irons, solder, lead-free solder, paste, flux, adhesives, microscope, magnifying glass, tweezers, multi-meters, ohm meters, volt meters, crimpers, snips, strippers, ESD bracelets, torque wrenches, jigs, anti-static tape, clamps, cable ties, wire wrapping tools, extraction tools, micrometers, ovens, harness board
- **Documentation:** blueprints, schematics, drawings, diagrams, wire lists, engineering orders

Work Experience

Test Operations Technician

COMPANY A - June 2015 to December 2018

- Ensured all structural test stand related equipment/services were performed on time, safely, and in a professional manner.
- Maintained, troubleshoot, and repaired test equipment and instrumentation as needed.
- Operated and maintained hardware, high pressure systems and pumps, and other ancillary equipment.
- Developed novel ways site wide to streamline processes and increase the reliability of testing operation.
- Performed a variety of related duties in support of engine testing and structural test stand program.
- Processed work orders and maintenance tickets.

- Billeted as Merlin Engine Test Stand Safety Representative. Ensured all personal protective equipment was serviceable and accounted for. Ensured safety procedures, training, and planning were followed by a total of (15) technicians.
- Initiated, created, and followed-up mishaps safety reports originated in the Merlin Test Stand.
- Awarded a Letter of Appreciation and monetary compensation for performing (4) engine tests in a single working day.
- Billeted as Test Stand Point of Contact from 06/2018-12/2018. During this time was responsible for delegating tasks from supervisor to (4) technicians completing over (100) rocket tests and overseeing the troubleshooting and maintenance of over (100) rocket engines.
- Prepared test articles and test stands and systems for test operation of over 300 rocket engines for a total of 31 successful launch missions.

Explosive Ordnance Disposal Technician

U.S. Marine Corps - San Diego, CA - February 2010 to June 2015

- Located, accessed, identified, rendered safe, neutralized, recovered, and disposed of hazards from foreign and domestic, conventional, Chemical, Biological, Radiological, Nuclear, and High Yield Explosives (CBRNE), Unexploded Explosive Ordnance (UXO), Improvised Explosive Devices (IEDs), and Weapons of Mass Destruction (WMD) that present a threat to operations, installations, personnel, or material.
- Billeted as EOD Team Member/Assistant Team Leader, overall responsible for demolitions /robotics for EOD team
- Combat deployment to Afghanistan in support of Operation Enduring Freedom. Provided EOD emergency support to combat zones, local civilian areas, military installations, and military air stations.
- Conducted direct support capabilities, assault support, military deception operations, intelligence operations, and counter IED operations in Afghanistan.
- Applied over 145 hours of extensive training in electronics circuits in the defeating of complex Improvised Explosive Devices.
- Managed, inventoried, and maintained accountability for classified material and equipment valued over \$5M.
- Maintained, troubleshot, and repaired 8 EOD robots valued over \$250K each.
- Responsible for creating the Marine Corps Air Station EOD team fiscal year budget. Planned a spending budget for the fiscal year allocating over \$2M in EOD equipment, training costs, and supplies.

Fixed-Wing Aircraft Mechanic

U.S. Marine Corps - San Diego, CA - December 2005 to February 2010

- Inspected completed work to certify that maintenance meets standards and that aircraft are ready for operation.
- Read and interpreted maintenance manuals, service bulletins, and other specifications to determine the feasibility and method of repairing or replacing malfunctioning or damaged components.
- Maintained repair logs, documenting all preventive and corrective aircraft maintenance.
- Disassembled over 350 engines and inspected parts, such as turbine blades, for corrosion, wear, warping, cracks, and leaks, using precision measuring tools.
- Tested over 500 engines and other systems, using test equipment and trouble-shooting methods to repair malfunctions in the engine.

- Billeted as a Collateral Duty Inspector and Test Cell Operator from 08/2008 to 01/2010. During this timeframe over 500 engines were tested, processed, and turned over to the different squadrons in support of Operation Iraqi Freedom and Operation Enduring Freedom.
- Provided training to (10) subordinates in the specific daily duties in the Test Cell stand. Instructed the testing procedures, instrumentation, and parameters specific for the (3) different engines tested in the facilities.
- Maintained an inventory of all the test instrumentation and materials valued over \$3M without any discrepancies.
- Maintained a log of all calibrated tools and instrumentation and ensured all respective calibration tests were performed in a timely manner to maintain 100% mission capability.

Education

Bachelor of Science in Cybersecurity

UNIVERSITY A - September 2020 to Present

Certifications and Licenses

Forklift Certified

Mil-STD Certified