Scott Hallowood

U.S. NAVY VETERAN · AVIATION ENVIRONMENTAL AND EGRESS TECHNICIAN (AME)

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SUMMARY

Maintenance technician with 10 years of hands-on experience on safety-critical aircraft systems and heavy equipment. Spent 4 years as a U.S. Navy AME on the EA-6B Prowler, maintaining environmental control, bleed air, oxygen, fire suppression, ejection and egress systems. Carrier flight deck troubleshooter, qualified in liquid oxygen and nitrogen servicing. For the last 6 years, has worked as a heavy equipment operator and mechanic, repairing hydraulic and mechanical systems on excavators, skid steers and loaders. Works from technical manuals and procedures, and brings SolidWorks CAD and programming skills. Studying for the FAA Airframe rating exams. Seeking a technician role in aviation or aerospace.

EXPERIENCE

Heavy Equipment Operator & Mechanic (Self-Employed) December 2020 – Present
Jonesboro, AR

- Operate excavators, skid steers and loaders on new construction and infrastructure jobs
- Maintain and repair own equipment, including hydraulic pumps, cylinders, valves, hoses, filters and tracks
- Diagnose hydraulic and mechanical failures in the field and fix the root cause
- Perform preventive maintenance, inspections, fluid service and service records
- Load and haul excavators, skid steers and loaders between job sites

Career Break – Medical Recovery (fully recovered) October 2015 – December 2020

Freelance Software Developer September 2010 – October 2015

- Built and debugged software in C++, C# and Python, tracing faults to their root cause

Aviation Environmental and Egress Technician (AME) April 2006 – April 2010
U.S. Navy, Electronic Attack Squadron 137 (VAQ-137) · EA-6B Prowler

- Inspected, maintained and repaired ejection seats and canopy systems on the EA-6B, including canopy removal and replacement, canopy seals, and rigging and replacing canopy actuators
- Installed and removed explosive cartridge- and propellant-actuated devices under strict explosive safety procedures
- Served as a flight line and carrier flight deck troubleshooter and final checker during flight operations, checking the whole aircraft with aircrew in the cockpit up to launch
- Supervised night shift maintenance, tool control, records and passdowns
- Removed LOX converters, serviced them with a LOX cart and reinstalled them, wearing LOX PPE and following hydrocarbon contamination procedures
- Troubleshot and replaced environmental control and bleed air parts: 12th-stage bleed air valves, forward and aft heat exchangers, ducting, cabin pressure regulators, and temperature control valves, controllers and sensors
- Maintained the Halon engine fire extinguishing system and the windshield defog, de-ice and rain removal systems

- Traced bleed air leaks and leak checked heating ducts, oxygen and nitrogen lines
- Performed daily and 28-day inspections, engine compartment and hydraulic leak inspections, and corrosion control to NAMP standards
- Qualified in LOX, nitrogen and Halon servicing, flight line troubleshooting and brake riding

EDUCATION & TRAINING

- U.S. Navy AME "A" & "C" School
- **FAA Airframe rating (in progress):** FAA confirmed Navy experience counts toward the rating; studying for the exams. Full A&P after 18 months of powerplant experience
- High School Equivalency Diploma

SKILLS

Aircraft systems: ejection seats and restraints, egress and canopy systems, cartridge- and propellant-actuated devices, oxygen and LOX, environmental control, bleed air, anti-G and fire suppression

Maintenance: troubleshooting, inspections, leak checks, corrosion control, preventive maintenance, hydraulic repair, tool control, maintenance records

Equipment & tools: excavators, skid steers, loaders, forklifts, truck and trailer, LOX and nitrogen servicing carts, power and hand tools

CAD & software: SolidWorks, C++, C#, Python