

Kaden Mosley

Lead Aircraft Repair and Modifications Technician, KC 46A Aircraft Systems

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SUMMARY

Lead aircraft repair and modifications technician with eight years of hands on experience supporting transport category aircraft, including KC 46A and 767 based systems. Leads assembly, disassembly, repair, retrofit, component replacement, modification, troubleshooting, inspection, and **verification testing**. Diagnoses pneumatic, hydraulic, electrical, and mechanical faults, then guides repairs that support flightworthiness and reliable service. Interprets engineering drawings, **technical instructions**, and specifications while maintaining FOD control, tool control, health, safety, and accurate technical records. Documents repairs, tests, modifications, and inspections for contractual and regulatory compliance. Holds an **FAA Airframe and Powerplant License**, mentors technicians, works with minimal direction, and supports variable shifts, overtime, rotating schedules, and domestic or international travel. Maintains **U.S. Person status** and eligibility for U.S. Secret clearance.

EXPERIENCE

Lead Aircraft Repair and Modifications Technician, KC 46A and 767 Systems

AeroForge Sustainment Group 📅 April 2023 - Present 📍 Manchester, NH

Lead KC 46A and 767 repair, retrofit, modification, troubleshooting, testing, inspection, documentation, and technician development operations. Support flightworthy outcomes through technical data, controlled processes, and clear coordination.

- Led **KC 46A** retrofit work using technical data, restoring aircraft systems for verification testing.
- Directed pneumatic **fault isolation** with system tests, returning repaired components for **flightworthiness inspection**.
- Coordinated hydraulic troubleshooting with technicians, resolving component issues within controlled maintenance workflows.
- Guided electrical repair decisions through **engineering drawings**, supporting compliant modification execution and reliable testing.
- Verified repairs through functional testing, documenting results for contractual and **regulatory compliance**.
- Mentored technicians during assembly and **disassembly** work, strengthening safe execution and technical confidence.

Senior Aircraft Maintenance Technician, Transport Aircraft Heavy Maintenance

Atlantic Heavy Aircraft Services 📅 January 2021 - March 2023 📍 Portsmouth, NH

Supported transport aircraft heavy maintenance, component replacement, system troubleshooting, engineering drawing interpretation, **test documentation**, and shift coordination. Connected hands on repair work with safe, traceable, and flightworthy maintenance results.

- Led heavy maintenance inspections using **engineering drawings**, aligning component work with approved **technical instructions**.
- Replaced aircraft components after **fault isolation**, restoring system performance for scheduled maintenance release.
- Troubleshoot **hydraulic systems** with functional checks, identifying faulty components before final inspection.
- Documented **repair** tests and inspections, providing traceable records for compliance reviews and customer reporting.
- Coordinated shift handoffs during time sensitive maintenance, preserving work continuity across technician teams.
- Prepared technical briefings from maintenance findings, helping stakeholders make practical repair decisions.

Aircraft Maintenance Technician, Airframe and Powerplant Maintenance

Granite State Aviation Maintenance 📅 June 2019 - December 2020 📍 Nashua, NH

Performed airframe and powerplant maintenance, inspections, repairs, technical records, safety controls, and return to service preparation. Supported dependable aircraft operations through disciplined maintenance execution and clear documentation.

- Performed airframe repairs using approved instructions, preparing aircraft for return to service inspection.
- Inspected powerplant components with maintenance records, identifying discrepancies before release decisions.
- Applied **tool control** and FOD prevention during maintenance, protecting aircraft systems and work quality.
- Recorded inspection findings and repairs, creating clear technical history for follow up actions.
- Supported **troubleshooting** with technicians, isolating mechanical issues through focused system checks.
- Coordinated safety controls during maintenance activities, keeping work areas ready for compliant execution.

Aircraft Repair Technician, Airframe Retrofit Support

Seacoast Airframe Works 📅 September 2017 - May 2019 📍 Concord, NH

Performed supervised aircraft repair, retrofit, disassembly, **assembly**, tool control, FOD prevention, and technical documentation. Built foundational experience with aircraft systems, approved maintenance practices, and team based repair execution.

- Supported aircraft **disassembly** using controlled tooling, preparing components for repair and retrofit work.
- Assembled repaired components from **technical instructions**, supporting accurate installation and inspection readiness.
- Applied FOD prevention practices during **retrofit** tasks, protecting aircraft hardware and production areas.
- Maintained **tool control** records, helping technicians locate equipment and close work packages cleanly.
- Documented repair steps and inspection results, creating dependable records for senior technician review.
- Assisted system troubleshooting through guided checks, building practical knowledge across **aircraft maintenance** disciplines.

PROJECTS

KC 46A Modification Verification Support 2026

Supported modification verification through component changes, system troubleshooting, functional tests, inspection records, and technician guidance. Work connected approved technical data with documented flightworthiness decisions.

767 Heavy Maintenance Documentation Review 2023

Reviewed transport aircraft repair records, test results, inspection findings, and recurring exceptions. Findings supported clearer reporting and more consistent maintenance follow up.

LEADERSHIP & AWARDS

- FAA Airframe and Powerplant License holder recognized for sustained aircraft maintenance performance, issued 2018.
- Lead technician assignment reflects trusted oversight of KC 46A and 767 repair, modification, testing, and mentoring work.
- Senior maintenance responsibilities recognized through shift coordination, technical reporting, and support for flightworthy aircraft outcomes.

EDUCATION

Associate of Applied Science in Aviation Maintenance Technology

Nashua Community College GPA: 3.5 2017 Nashua, NH

Coursework: Aircraft maintenance, airframe systems, powerplant systems, technical documentation

CERTIFICATIONS

- FAA Airframe and Powerplant License 2018
- U.S. Secret Clearance Eligibility 2026

TECHNICAL SKILLS

- **Aircraft Systems:** KC 46A, 767, airframe systems, powerplant systems
- **Repair Operations:** Assembly, disassembly, component replacement, component repair
- **Modification Work:** Retrofit, approved changes, system upgrades, modification installation
- **Fluid Systems:** Pneumatic systems, hydraulic systems, pressure testing
- **Electrical Systems:** Electrical troubleshooting, wiring inspection, circuit testing
- **Maintenance Testing:** Validation testing, verification testing, functional testing
- **Inspection Practices:** Flightworthiness inspection, component inspection, return to service inspection
- **Technical Data:** Engineering drawings, technical instructions, technical specifications
- **Safety Controls:** FOD control, tool control, health and safety
- **Maintenance Records:** Repair documentation, test documentation, inspection records
- **Aircraft Maintenance Standards:** FAA requirements, regulatory compliance, contractual compliance
- **Technician Development:** Technical mentoring, repair guidance, maintenance training

SKILLS

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|------------------------|---------------------|-------------------------------|------------------------|
| • Aircraft maintenance | • KC 46A | • Electrical systems | • Engineering drawings |
| • Repair | • 767 aircraft | • Troubleshooting | • FOD control |
| • Retrofit | • Pneumatic systems | • Verification testing | • Tool control |
| • Modifications | • Hydraulic systems | • Flightworthiness inspection | |

PROFESSIONAL AFFILIATIONS

- Aircraft maintenance teams, supporting safe repairs, technical communication, and dependable shift handoffs.
- Transport aircraft repair operations, contributing troubleshooting knowledge, inspection discipline, and technician mentoring.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST