

**Dax Determan**  
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**OBJECTIVE:** Obtain a professional position as a Management/Quality Specialist or Technician.

**QUALIFICATION SUMMARY**

- Outstanding technical skills honed with over 16 years experience with a wide variety of civilian and military aircraft, aircraft power plants and accessories
- Self-motivated achiever within all areas of an FAA Part 145 repair station and beyond, starting with the preparing for FAA certification to the current position as a \$6M corporation
- Areas of expertise include PT6A, PT6T, field service, on-wing repairs, field performance tests, records keeping, forms management and all areas pertaining to FAA Part 145 compliance

**EXPERIENCE DETAIL**

***Maintenance Technician II***  
***October 2018 – Present***

***Keurig/Dr Pepper***

***Overland, MO***

- Maintain, repair and operate beverage manufacturing equipment
- Inspect and repair as needed positive-displacement, centrifugal, piston and diaphragm pumps. Ensure all mechanical seals are functioning properly to ensure a clean and safe working environment
- Responsible for weld repairs of stainless, Steel, and aluminum piping, tubing, housings and machines
- Inspection and maintenance of PLC computers and all circuitry responsible in operating electronic control cabinets
- Responsible for building maintenance, forklift and Aerial lift operation
- Ensuring documentation procedures are completed per SAP and company guidelines

***Simulator Technician***  
***May 2015 – May 2018***

***Flight Safety International***

***St. Louis, MO***

- Maintain and repair flight training devices in accordance with Civil Aviation Authority requirements and company standards
- Perform installation of flight simulation devices and flight control devices. Responsible for the operation, inspection, regular maintenance, design, modification, repair and testing of all simulator components
- Perform pre-flights on the Sabre 65, Sabre 80, Jetstream 3100/3200, CRJ 200, 700 and 900, ERJ 145, Embraer EMB 170, Embraer Legacy 500, Legacy 650 and the Bombardier Q400
- Ensuring documentation procedures are completed
- Providing total customer support service that can include accompanying customers through instructor station training and during dry training operations
- Performing training device updates (Software and Hardware)
- Maintain proper functionality of all hydraulic equipment and repair as needed

***Aircraft Mechanic***  
***June 2014 – Nov 2014***

***Air Choice One***

***St. Louis, MO***

- Performed various maintenance tasks in support of C-208B Grand Caravan components
- Performed Phase and Mini inspections per the airlines inspection procedures
- Performed all necessary A&P mechanic functions to maintain and repair aircraft
- Repaired and replaced Engine and Airframe accessories
- Bore Scope all Engines in fleet and test Fuel Nozzles

- Overall program authority for the maintenance and upkeep of an aircraft engine overhaul shop including execution, training, recurrent training and all facets of an FAA approved repair station
- Manage 5 personnel, establish work schedules, prioritize allocation of man hours based on customer demand, validate/ensure timely submission of employee time cards and track man hours for each job
- Ensure all personnel are properly trained on duty tasks and responsible for maintaining all training records
- Responsible for signing off technician proficiency in each area of aircraft and engine maintenance
- Coordinate with Quality Manager and Sales Manager to effectively meet production requirements
- Troubleshoot engine and aircraft defects and malfunctions in-house as well as in the field. Determine and implement corrective maintenance actions
- Responsible for creating all workshop instructions pertaining to each work order through AeroTrac software and completing all documentation needed to perform and record maintenance
- Qualified and experienced with coating restoration such as painting, primer application and varnishing per overhaul manual instructions for aircraft parts and responsible for the preparation of all articles needing in-house rework  
Also responsible for the training and supervision of the paint department
- Qualified instructor and technician on the complete disassembly, cleaning and preservation of aircraft power plants and parts
- Responsible for all detailed inspections: dimensional inspections, visual inspections, including CMM operations, interpretation of dimensional schematics and blueprints and required documentation of all inspections performed  
Implement training and oversight of all employees conducting detailed part inspections
- Manage, train and execute all sub-assemblies pertaining to aircraft powerplants: turbines, hot sections, lathe operation and the operation of finish machining of all parts using lathes and mills
- Design and fabricate specialized shop tooling and equipment utilizing TIG and MIG welding techniques as well as all machine shop operations necessary using surface grinders, lathes and milling machines
- Certified balance technician responsible for the training and execution of balancing of all engine components including turbine wheels, compressor rotors, power turbine shafts and reduction gearbox planetary gear carrier assemblies. Certificated through American-Hofmann Corporation
- Integrate, set up and implement all balancing requirements for each new part configuration that enters the facility using Hofmann 16.1 PC balancing computer system
- Maintain all calibrated equipment including documentation and tracking of certifications to ensure all equipment is properly calibrated at the FAA and repair station required interval
- Execute and train all facets of aircraft engine final assembly and preparation for shipment
- Responsible for record keeping of all engines in the Southwest Airmotive, Corp. System, ensuring all life-limited components meet Pratt & Whitney and FAA mandated hour and cycle limits, including the disposal of expired components
- Comply, document and maintain records of all necessary service bulletins and air-worthiness directives
- Screen all work orders for accuracy, completion, FAA and repair station manual requirements
- Communicate with customer aircraft operators, maintenance managers and technicians regarding the repair, troubleshooting and maintenance of aircraft and aircraft engines. Customers include foreign militaries, airlines, agricultural operators, private aircraft owners and commercial recreational operators
- Field responsibilities include field maintenance of aircraft, installation and removal of aircraft engines, propellers and accessories, airframe troubleshooting, fuel and propeller systems rigging, testing and calibrating of airframe gauges, removal and repair of engine major subassemblies including gearboxes, power sections and hot sections  
Perform field maintenance runs and performance checks including propeller balancing
- Perform maintenance in compliance with the MORE program to extend engine TBO limits as well as On Condition Engine Maintenance Programs (OCEMP) for regional airlines
- Authored all company procedural forms: management, maintenance and quality control. Created repair station manual, quality control manual and forms manual for submission to the FAA in order to receive acceptance and approval to become a licensed FAA repair station. Continually coordinate with the FAA to revise and update FAA manuals as required

***Engine Technician  
Jun 1999 – Jun 2004***

***Timken Aerospace (Formerly Pueblo Airmotive, Inc)***

***Tucson, AZ***

- Performed various maintenance tasks in support of helicopter engine and airframe components
- Qualified test cell operator
- Performed all necessary functions pertaining to the overhaul and repair of military T400, Bell 212 and 412 Twin-Pac engines, power sections and reduction gearboxes
- Solely responsible for overhauling and repairing PT6T combining gearboxes
- Disassembled, cleaned and overhaul inspected Lycoming/Honeywell T53 fuel control units
- Repaired, overhauled and tested T53 governors
- Overhauled and repaired Bell accessories and airframe components including tail rotors, mast assemblies and the complete teardown and restoration of a Bell 206 helicopter

***Machine Operator  
Jun 1996 –Dec 1998***

***Stone Container Corporation***

***St. Louis, MO***

- Performed various maintenance tasks in support of Machine Operators for corrugated boxes and containers
- Maintained machines and performed operator duties
- Forklift operator

***Machine Adjustor/Operator  
May 1994 –May 1996***

***Olin Brass/Winchester***

***East Alton, IL***

- Ammunition Machine Operator
- Experienced Head Adjuster and Annealer

## **FORMAL EDUCATION**

- General Studies, Illinois College, Jacksonville IL, 1990 - 1991
- General Studies, Southern Illinois University, Edwardsville IL, 1991 – 1992

## **SPECIALIZED TRAINING**

- Proficient at Microsoft Word, Excel, Windows and Outlook
- Formal Training in AeroTrac Control Software
- Completed Pratt & Whitney PT6 T-Model Heavy Maintenance training course
- Certified forklift operator
- Completed Pima College Machine Shop Training Course
- Licensed FAA Powerplant Mechanic, Cochise College, 2001
- FAA Mechanic Certificate #3176795
- Simulator technician training – At FSI Broken Arrow Oklahoma with certification earned