JULIAN MERCER

WIND TURBINE TECHNICIAN

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PROFESSIONAL SUMMARY

Wind Turbine Technician with 3+ years maintaining utility-scale turbines. Climbs safely, troubleshoots electrical and mechanical systems, and completes scheduled service on time to keep availability high and downtime short.

PROFESSIONAL EXPERIENCE

Wind Turbine Technician May 2025 - Present
Siemens Gamesa, Orlando, FL

- Perform scheduled maintenance on 30 turbines and complete service within the planned window on 95% of visits.
- Troubleshoot yaw, pitch, and converter faults using fault codes and electrical tests, clearing most issues in a single visit.
- Inspect blades and towers with rope access and record findings that planners used to schedule repairs before damage spread.
- Torque tower and blade bolts to specification and document every check in the service report for the site manager.
- Follow rescue, lockout, and high-voltage procedures on every climb and help run quarterly rescue drills for the site team.
- Mentor two new technicians through their first climbs and gearbox oil sampling so they can work safely on their own.
- Keep the service vehicle stocked with filters, fuses, and lubricants, which cuts repeat trips to the tower base for missing parts.

Wind Technician Jun 2023 - Apr 2025
Pattern Energy, San Francisco, CA

- Supported maintenance on a 100-turbine wind farm, changing filters, grease, and gearbox oil on the planned schedule.
- Learned to diagnose electrical faults with multimeters and schematics and later handled alarms alone on overnight calls.
- Replaced pitch batteries and sensors, which helped cut repeat alarms on three turbines that had faulted every few weeks.
- Collected oil and vibration samples and logged the results so the team could spot early bearing wear on the main shaft.
- Completed all required safety and rescue training and worked 18 months without a recordable incident on any site.
- Helped with blade repair crews by preparing surfaces and staging materials on the platform before each lift.
- Recorded every turbine visit in the work order system with parts and readings, which gave planners a clean service history.

CORE SKILLS

Turbine maintenance | Electrical systems | Mechanical troubleshooting | Tower climbing | Rope access | Lockout and tagout | Pitch and yaw systems | Gearbox maintenance | Bolt torquing | High voltage safety | Fault code diagnostics | Blade inspection | Technical documentation | Rescue procedures

EDUCATION

Associate of Applied Science in Wind Energy Technology, Iowa Lakes Community College, Estherville, IA

CERTIFICATIONS

GWO Basic Safety Training | GWO Working at Heights | CPR and First Aid