

Erick Russo

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SUMMARY

Journeyman level **fire apparatus mechanic** with eight years of progressive experience maintaining emergency response vehicles, diesel engines, heavy equipment, and major mechanical assemblies. More than four years focused directly on pumpers, ladder trucks, and rescue vehicles, following two years of supervised apprenticeship and two years of independent diesel and heavy equipment service. Diagnoses and repairs air brake, fire pump, electrical, hydraulic, diesel fuel, cooling, and engine systems through structured testing and careful inspection. Leads complex rebuilds, **preventive maintenance**, road test verification, repair documentation, and urgent after hours response during rotating on call coverage. Holds an **Alabama driver's license**, Alabama CDL, and **Emergency Vehicle Technician** training. Brings sound mechanical judgment, steady teamwork, and dependable service to fleet operations where vehicle readiness supports emergency response.

EXPERIENCE

Lead Fire Apparatus Mechanic

July 2022 - Present

Piedmont Emergency Vehicle Services

Huntsville, AL

Lead mixed fleet maintenance for pumpers, **ladder trucks**, and **rescue vehicles**, owning diagnostic decisions, major repairs, road testing, documentation, and mechanic guidance. Supports dependable emergency readiness through shop and field response.

- Prioritized pumper, ladder truck, and rescue vehicle repairs based on emergency readiness needs.
- Rebuilt diesel engine components and major assemblies after inspections, measurements, and service information review.
- Traced air brake, hydraulic, electrical, fuel, cooling, and fire pump faults to repairable causes.
- Completed commercial apparatus **road tests**, checking braking, steering, drivetrain response, and operating behavior.
- Responded during rotating on call coverage, restoring apparatus through safe field and garage repairs.
- Guided developing mechanics through complex troubleshooting while reviewing **repair** quality and final verification.

Fire Apparatus Mechanic

July 2020 - June 2022

Southern Response Fleet Works

Decatur, AL

Maintained pumpers and rescue vehicles through scheduled inspections, preventive service, corrective repairs, system testing, and **specialized training**. Supported dependable apparatus availability through practical troubleshooting and careful component replacement.

- Maintained **pumpers** and **rescue vehicles** through inspections, preventive service, and corrective repairs.
- Diagnosed fire pump performance concerns through system checks, mechanical inspection, and functional verification.
- Isolated electrical and hydraulic faults using schematics, test equipment, and component inspection.
- Repaired diesel fuel and **cooling systems** after identifying leaks, temperature concerns, and worn components.
- Supported ladder truck and engine repairs involving removal, inspection, replacement, and reassembly.
- Applied manufacturer training procedures during subsequent apparatus maintenance assignments and service work.

Journeyman Diesel and Heavy Equipment Mechanic

July 2018 - June 2020

Valley Heavy Equipment Repair

Athens, AL

Serviced diesel powered trucks and heavy equipment across demanding fleet operations, progressing from supervised apprenticeship work into independent journeyman assignments. Built transferable expertise in **engines**, brakes, hydraulics, **electrical systems**, and major mechanical repair.

- Advanced from supervised apprenticeship work into independent journeyman assignments across fleet operations.
- Diagnosed engine, fuel, cooling, brake, electrical, and hydraulic faults through systematic testing.
- Completed engine component replacements and mechanical assembly repairs with progressively reduced supervision.
- Performed **preventive maintenance** inspections, identifying wear, fluid concerns, and developing faults before service.
- Documented findings, parts, procedures, and post **repair** checks for accurate fleet records.
- Built diesel systems expertise that supported progression into **fire apparatus maintenance**.

Apprentice Mechanic

July 2016 - June 2018

Central Alabama Fleet Apprenticeship

Madison, AL

Completed structured apprenticeship under trained mechanics, developing safe methods for automotive, diesel, and heavy equipment maintenance. Supported routine service and increasingly complex repairs through supervised inspection, measurement, documentation, and post repair checks.

- Completed two years of structured apprenticeship under trained mechanics in fleet maintenance.
- Inspected **diesel engines**, brake systems, **cooling systems**, electrical circuits, and hydraulic components.
- Performed routine service, component removal, cleaning, measurement, and reassembly under mentor direction.
- Supported **preventive maintenance** by checking fluids, filters, belts, hoses, brakes, and batteries.
- Used hand tools, shop equipment, service information, and diagnostic instruments during supervised repairs.
- Demonstrated growing independence through accurate documentation and successful post **repair** checks.

PROJECTS

Emergency Apparatus Readiness Program 📅 2025

Supported readiness across pumpers, ladder trucks, and rescue vehicles through preventive maintenance, fault diagnosis, road testing, and urgent repair response.

Diesel Assembly Rebuild Initiative 📅 2024

Completed major diesel engine component repairs and assembly rebuilding using inspection findings, measurement checks, controlled reassembly, and operational verification.

LEADERSHIP & AWARDS

- Lead mechanic responsibility recognized through independent ownership of complex apparatus repairs and final service verification.
- Progressed from supervised apprenticeship into journeyman service and later lead fire apparatus mechanic assignments.
- Selected to guide developing mechanics through difficult troubleshooting and repair sequences.

EDUCATION

Diploma in Diesel Technology

2016

J.F. Drake State Community and Technical College GPA: 3.5

Huntsville, AL

Coursework: Diesel engine repair, hydraulic systems, electrical diagnostics, preventive maintenance

CERTIFICATIONS

- Alabama Driver's License 📅 2025
- Alabama Commercial Driver License 📅 2025
- Emergency Vehicle Technician, Fire Apparatus Systems Training 📅 2025

TECHNICAL SKILLS

- **Fire Apparatus:** Pumpers, ladder trucks, rescue vehicles
- **Diesel Engines:** Engine diagnostics, component repair, assembly rebuilding
- **Brake Systems:** Air brakes, brake inspection, road testing
- **Fire Pumps:** Pump diagnostics, system checks, functional verification
- **Hydraulic Systems:** Hydraulic troubleshooting, component inspection, leak repair
- **Electrical Systems:** Electrical diagnostics, wiring schematics, circuit testing
- **Fuel Systems:** Diesel fuel diagnosis, delivery repair, leak detection
- **Cooling Systems:** Cooling diagnostics, temperature testing, component replacement
- **Maintenance Programs:** Preventive maintenance, scheduled inspections, corrective repair
- **Fleet Service:** Repair documentation, service records, apparatus readiness
- **Diagnostic Equipment:** Test equipment, measurement checks, service information
- **Commercial Vehicles:** Commercial driving, pumper operation, ladder truck operation

SKILLS

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|------------------------------|------------------------------|--------------------------|-------------------------|
| • Fire apparatus maintenance | • Hydraulic repair | • Road testing | • Major assembly repair |
| • Diesel diagnostics | • Electrical troubleshooting | • Heavy equipment repair | • Emergency repairs |
| • Air brake systems | • Engine rebuilding | • Cooling systems | • On call response |
| • Fire pump systems | • Preventive maintenance | • Diesel fuel systems | |

PROFESSIONAL AFFILIATIONS

- Emergency vehicle maintenance teams, supporting shared repair knowledge and dependable apparatus readiness.
- Diesel and heavy equipment service community, continuing technical learning through specialized training.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST