

Caleb Miranda

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SUMMARY

Assembler III with four years of **mechanical manufacturing** experience, completing generator set and equipment builds from **component preparation** through final self audit and functional testing. Reads blueprints, **work instructions**, **Standard Operating Procedures**, Risk Assessment requirements, and job routers to deliver consistent assemblies that meet safety, quality, and efficiency expectations. Diagnoses fit and assembly issues, performs authorized mechanical repairs, and retests affected work before release. Serves as a floor resource for start to finish builds, clear production communication, and hazard prevention. Trains and mentors assemblers through demonstrations, supervised practice, observed builds, and documented skill assessments. Formal mechatronics training supports practical work with mechanical components, testing, quality checks, housekeeping, and safe production methods.

EXPERIENCE

Assembler III, Generator Set Assembly April 2024 - Present
Piedmont Generator Works Fayetteville, GA

Lead start to finish generator set assembly within a production department, serving as a product resource and peer mentor. Support controlled builds, self audits, repairs, testing, housekeeping, and safe release of completed units.

- Assembled **generator sets** from prepared components using **blueprints**, SOPs, routers, and approved risk controls.
- Resolved build sequence questions during varied configurations, helping assemblers maintain consistent methods across production.
- Performed staged **self audits** covering fasteners, connections, placement, **workmanship**, and documentation before testing.
- Diagnosed mechanical fit issues, completed authorized **repairs**, and retested affected work for reliable release.
- Trained newer assemblers through demonstrations, supervised practice, observed builds, and documented skill assessments.
- Maintained orderly stations, removed hazards, and communicated tooling, material, **quality**, and safety concerns.

Mechanical Assembler II, Equipment Assembly January 2023 - March 2024
Southern Equipment Assembly LaGrange, GA

Built mechanical equipment across multiple stations, using controlled documentation and operational checks to support quality production. Became a peer resource for **safe tool use**, configuration changes, orientation, and repeatable **assembly methods**.

- Built mechanical equipment from prepared components, preserving sequence, fit, and configuration through final assembly.
- Conducted **in process checks** and supported **operational testing**, correcting documented defects within authorized procedures.
- Used SOPs and **job routers** during changeovers, preventing missed steps across different product configurations.
- Developed proficiency across stations, becoming a peer resource for tools, preparation, and repeatable methods.
- Supported new assembler orientation through demonstrations, observed practice builds, and safe station preparation.
- Kept tools, components, and work areas orderly, identifying hazards before they disrupted **production flow**.

Mechanical Assembler, Fabricated Equipment October 2022 - December 2022
West Georgia Fabrication Newnan, GA

Completed supervised **mechanical assembly** for fabricated equipment while building practical skill with drawings, instructions, hand tools, and **production documentation**. Supported quality checks, functional checks, risk controls, housekeeping, and clear shift communication.

- Prepared mechanical components for supervised builds, using drawings, instructions, **hand tools**, and production records.
- Read basic blueprints and **work instructions**, confirming orientation, hardware, and sequence before assigned assembly.
- Verified completed work against documented requirements, raising fit, damage, and missing component concerns early.
- Supported **functional checks** under experienced guidance, recording observations and correcting straightforward assembly issues.
- Followed safety practices and risk controls while removing trip, debris, and material hazards.
- Completed job router entries accurately, strengthening **shift communication** and adherence to established procedures.

PROJECTS

Generator Set Quality Build 📅 2024

A small build detail can decide whether a unit advances smoothly. Applied staged self audits, repair checks, and functional testing across generator set assembly, supporting dependable release and clear communication between production stages.

Multi Station Assembly Training 📅 2023

New assemblers often need one clear demonstration before confidence takes hold. Supported orientation, supervised practice, observed builds, and skill assessment across mechanical equipment stations.

LEADERSHIP & AWARDS

- Selected as a floor resource for generator set assembly methods, product questions, and safe execution.

- Recognized by peers for practical guidance during configuration changes, tool use, and repeatable mechanical builds.
- Completed formal mechatronics training while building hands on manufacturing experience across multiple assembly environments.

EDUCATION

Diploma in Mechatronics Technology

West Georgia Technical College GPA: 4.0

2022
LaGrange, GA

Coursework: Mechanical assembly, blueprint reading, electrical systems, industrial safety

CERTIFICATIONS

- Mechatronics Fundamentals Certificate 📅 2022
- Manufacturing Safety and Risk Assessment Training 📅 2022

TECHNICAL SKILLS

- **Assembly Documentation:** Blueprints, Standard Operating Procedures, Work Instructions
- **Production Routing:** Job Routers, Build Sequences, Configuration Control
- **Quality Verification:** Self Audits, Quality Inspection, Defect Prevention
- **Product Testing:** Functional Testing, Operational Checks, Retesting
- **Mechanical Work:** Mechanical Assembly, Mechanical Repair, Component Preparation
- **Manufacturing Safety:** Risk Assessment, Safety Protocols, Hazard Prevention
- **Genset Production:** Generator Sets, Genset Line Assembly, Power Equipment
- **Training Methods:** Assembler Training, Mentoring, Skill Assessment
- **Workplace Organization:** Housekeeping, Tool Organization, Material Organization
- **Production Communication:** Shift Communication, Issue Reporting, Build Questions

SKILLS

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|-----------------------|-----------------------|---------------------|-------------------------|
| • Mechanical Assembly | • Standard Procedures | • Product Testing | • Component Preparation |
| • Genset Assembly | • Work Instructions | • Self Audit | • Quality Inspection |
| • Product Builds | • Risk Assessment | • Defect Prevention | • Assembler Training |
| • Blueprint Reading | • Job Routers | • Mechanical Repair | |

PROFESSIONAL AFFILIATIONS

- West Georgia Technical College, Mechatronics Technology community.
- Manufacturing assembly teams across Fayetteville, LaGrange, and Newnan production operations.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST