Chase Singhofen

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Engineering Experience

Clinical Engineer | AdventHealth | Orlando, FL | 08/2024 – Present

- Installed and tested biomedical equipment in **1500+ bed hospital**, integrating with existing networks and verifying functionality per manufacturer specs to support field-based clinical operations.
- **Achieved 100+ work order completions per month**, driving efficient equipment uptime and minimizing clinical disruptions.
- Diagnosed, repaired, and performed preventive maintenance on medical devices, electromechanical systems, and laboratory instrumentation (e.g., patient monitors, diagnostic equipment), documenting activities in CMMS using Philips service tools and GE Nuvolo for audit-ready compliance.
- Performed software configurations, upgrades, and network integrations on biomedical devices, collaborating with clinical and IT teams to optimize performance, hospital workflows, and minimize downtime.
- Troubleshot complex electronic and network-related issues using electrical safety analyzers, and patient simulators, resolving faults to maintain **99% equipment uptime**.
- Supported hospital and laboratory operations in compliance with **CAP, CLIA, and ISO 13485** standards, ensuring reliability for diagnostic and patient care equipment.

Medical Equipment Technician | Agiliti Health | Orlando, FL | 06/2024 – 08/2024

- Performed preventive maintenance and repairs on hospital beds per OEM guidelines during field deployments to **multiple hospital campuses** using company vehicle.
- Used electrical testing equipment, including analyzers and multimeters, to verify equipment safety and performance at client sites.
- Documented all service activities in CMMS and communicated results to clients and biomedical departments to ensure transparency, accountability, and seamless handoffs.

Pathology Lab Assistant III | AdventHealth | Orlando, FL | 06/2009 – 06/2024

- Supported histology and laboratory diagnostics through maintenance, assembly, and calibration of staining instruments and lab processors (**Leica BioSystems, ThermoFisher**).

- Performed planned maintenance on laboratory automation systems to ensure consistent performance, compliance, and reduced downtime.
- Assisted engineers and lab technologists with equipment installation and troubleshooting, improving lab throughput and applying biomedical safety practices per CAP, CLIA, and ISO 13485 standards.

Technical Skills

- Biomedical & Engineering: Planned maintenance · Lab diagnostics · Troubleshooting · Patient simulators · Biomedical instrumentation · Laboratory analyzers.
- Networking & Systems: Device integration · Network troubleshooting · Philips systems · Connectivity diagnostics
- Software & Tools: Philips service tools · GE Healthcare Nuvolo · Electrical safety analyzers
- Safety & Compliance: FDA · CAP · DNV · CLIA · ISO 13485 · OSHA

Education

A.S. Computer Programming & Analysis | Valencia College | Orlando, FL

Curriculum*:* STEM Concepts, Java, SQL, Scripting Languages, HTML, CSS3, MS Access, Excel, Windows OS, Linux, Version Control.

Certifications

- OSHA 10-Hour General Industry – Fire Safety, Lockout/Tagout, Electrical Safety, Material Handling, Air/Noise Quality.
- LE-1 Linux Essentials – Linux Professional Institute (LPI).