

CHASE SINGHOFEN

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PROFESSIONAL SUMMARY

Clinical Engineer with extensive experience supporting high-acuity environments including ICU, surgical services, oncology, rehabilitation, and laboratory operations. Skilled in medical equipment lifecycle management, advanced diagnostics, corrective repair, and field service support. Strong background in networked medical device integration, electrical safety testing, and regulatory compliance aligned with TJC, NFPA 99, DNV, CAP, ISO 13485, and OSHA. Proven ability to operate independently, maintain high equipment uptime, and collaborate with clinical, IT, and vendor teams to ensure safe, reliable patient care.

CORE COMPETENCIES

Biomedical Equipment Maintenance • PM/CM • Diagnostics • Troubleshooting • Electrical Safety Testing • Patient Simulation • Medical Device Networking • Lifecycle Management • Regulatory Compliance (TJC, NFPA 99, DNV, CAP, ISO 13485) • Vendor Coordination • CE-IT Collaboration • CMMS Documentation • Risk Management

WORK EXPERIENCE

Clinical Engineer II

AdventHealth – Orlando, FL

04/2026 – Present

Hours per week: 40

- Serve as the primary technical lead for off-site specialty units including Cancer Center, Rehabilitation, and Laboratory facilities, independently managing equipment lifecycle activities, coordinating service needs, and responding to urgent technical issues to maintain safe clinical operations.
- Lead preventive maintenance (PM) programs aligned with NFPA 99, OEM specifications, and hospital risk-based methodologies. Verify test results, document performance trends, and ensure all equipment meets regulatory and accreditation requirements.
- Perform advanced diagnostics, troubleshooting, and corrective maintenance (CM) on life-support, diagnostics, and specialty systems using electrical safety analyzers, patient simulators, multimeters, and OEM service tools. Restore equipment to full functionality with minimal downtime.

- Improve maintenance workflows by analyzing service data, identifying recurring failure patterns, and implementing process changes that increased maintenance efficiency by 97% and strengthened departmental KPIs.
- Conduct risk assessments, hazard alert reviews, and recall management in accordance with TJC, DNV, and ISO 13485 standards. Coordinate mitigation steps with clinical teams to ensure equipment safety and compliance.
- Collaborate with clinical leadership, IT, and vendors to support device integration, connectivity troubleshooting, cybersecurity considerations, and system upgrades. Participate in configuration, validation, and acceptance testing for networked medical devices.
- Provide technical training and guidance to clinical staff and junior technicians on equipment operation, troubleshooting, and safety procedures to reduce user-related issues and improve equipment utilization.
- Maintain accurate CMMS documentation including work orders, asset histories, PM compliance, and parts usage to support regulatory reporting, lifecycle planning, and capital replacement decisions.

Clinical Engineer I

AdventHealth – Orlando, FL

04/2026 – Present

Hours per week: 40

- Performed preventive maintenance (PM), calibration, and corrective repair on life-support and diagnostic systems including Stryker, Philips, ICU Medical, and Baxter, ensuring all work meets OEM specifications, hospital policies, and safety standards.
- Supported ICU, Orthopedics, and Surgical Services by independently prioritizing urgent repairs, coordinating with clinical staff, and restoring equipment functionality quickly to minimize downtime in high-acuity environments.
- Conducted electrical safety testing, performance verification, and functional testing using patient simulators, multimeters, and precision diagnostic tools to ensure equipment safety, accuracy, and regulatory compliance.
- Integrated medical devices into hospital networks by collaborating with IT teams on installations, connectivity diagnostics, cybersecurity considerations, and software configuration. Validated device communication and ensure reliable clinical data flow.
- Maintained strict compliance with TJC, NFPA 99, DNV, CAP, and ISO 13485, ensuring all service documentation, PM records, and corrective actions were complete, accurate, and audit-ready.

- Completed 100+ work orders per month while maintaining a 99% equipment uptime rate, supporting mission-critical patient care and ensuring consistent availability of essential medical equipment.
- Assisted with equipment evaluations, replacement planning, and lifecycle strategy recommendations by reviewing service history, identifying high-risk assets, and providing technical input for capital planning.

Medical Equipment Technician

Agiliti Health – Orlando, FL

05/2024 – 08/2024

Hours per week: 40

- Performed OEM-spec preventive maintenance (PM) and corrective repairs on Stryker, Hill-Rom, ICU beds, and labor & delivery beds across multiple hospital campuses. Ensured proper operation of bed controls, actuators, side-rail systems, nurse-call interfaces, scale systems, and braking mechanisms.
- Conducted inspection, testing, and calibration of hospital beds using multimeters, electrical safety analyzers, and functional testers to verify compliance with NFPA 99 and TJC safety standards. Documented all findings and confirmed safe return-to-service.
- Ensured bed readiness and operational reliability by performing functional checks, correcting mechanical and electrical issues, and validating performance prior to deployment. Supported uninterrupted patient care by maintaining high availability of essential bed systems.
- Managed full-cycle service documentation in CMMS systems, including work orders, PM completion, parts usage, and service notes. Communicated equipment status and repair outcomes clearly to clinical staff and unit leadership.
- Diagnosed and resolved bed malfunctions by identifying root causes such as actuator failures, control board issues, power supply faults, and mechanical wear. Performed component-level repairs and verified proper operation post-service to restore full functionality.

Pathology Lab Assistant III

AdventHealth – Orlando, FL

May 2009 – May 2024

Hours per week: 40

- Maintained and calibrated laboratory instrumentation including Leica and Thermo Fisher staining systems, performing functional checks, adjustments, and verification procedures to ensure accurate, reliable operation for diagnostic workflows.
- Performed corrective maintenance on complex laboratory automation systems by identifying failure points, replacing components, and validating system performance. Improved equipment reliability and reduced downtime through timely repairs and proactive issue identification.
- Ensured compliance with CAP, TJC, DNV, and ISO 13485 standards by maintaining complete, audit-ready documentation, following established quality procedures, and supporting regulatory inspections and accreditation activities.
- Supported large-scale equipment upgrades, system transitions, and scheduled maintenance events by coordinating with vendors, laboratory leadership, and facilities teams. Ensured seamless workflow continuity during equipment outages, installations, and validation processes.
- Collaborated with laboratory staff to resolve technical issues, troubleshoot workflow disruptions, and improve operational efficiency. Provided clear communication regarding equipment status, service needs, and recommended corrective actions.

TECHNICAL SKILLS

- Clinical Engineering: PM/CM, Diagnostics, Troubleshooting, Calibration, Electrical Safety Testing, Patient Simulation
- Equipment Platforms: Philips MX Series, Stryker LifePak 15, Baxter ELI 380, ICU Medical Medfusion 4000
- Networking & Integration: Device Connectivity, Interface Troubleshooting, CE-IT Collaboration
- Software & Tools: Philips Service Tools, Nuvolo, OEM Diagnostic Utilities
- Compliance: TJC, NFPA 99, DNV, CAP, ISO 13485, OSHA, HIPAA

EDUCATION

Associate of Science (A.S.) – Computer Programming & Analysis Valencia College

Associate of Science (A.S.) – Medical Assisting Keiser University

CERTIFICATIONS

- Stryker – LifePak 15
- Philips – MX400–MX800 Patient Monitoring Systems
- Baxter – ELI 380 Advanced
- ICU Medical – Medfusion 4000