

Name

Address, Des Moines, IA 00000

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Critical Environment Engineer

CORE COMPETENCIES

Critical Operations Data Center Environment ♦ Engineering Systems ♦ Facility Maintenance & Repairs
Planning and Scheduling ♦ Trend Analysis & Reporting ♦ Project Management
Relationship Development ♦ Customer Service ♦ Communication Skills ♦ Flexible and Adaptable

TECHNICAL SYSTEMS/SKILLS:

- Technical Training: York 280-ton chillers, Trane 170-ton chillers, Liebert CRAC/CRAH units, SMART-D 300-ton chillers, Dataire AC units, 100-ton RTUs. Automatic Logic Control (ALC), 1 CAT C27 engine 750Kw, 1 CAT 3410 engine 75-kw, 3 CAT C-32 engines 1000Kw
- Technical Training: Eaton UPS 9390, 9395. Emerson 150 UPS, Liebert 150 UPS, Emerson RPP/PDU, APC RPP, Liebert RPP Snyder Main Switchgear, Caterpillar Switch Gear, GE Automatic Transfer switch(ATS)
- Technical Training with Sentry Fire: fire suppression systems, Cheetah panel and PAC operation.

EDUCATION

AS Electronics and Control Engineering Technology, ECPI	2010
Big High School/ Diploma	1996

PROFESSIONAL EXPERIENCE

Huge Data Center, Big Company, Des Moines, IA 2012 - 2017

Lead Facility Engineering Technician

- Monitored the operation of all critical infrastructure and systems
- Perform maintenance and repairs on facility mechanical equipment, including CRAH units, pumps, motors, chillers (Trane and York), cooling towers, pneumatic controls, water treatment, etc.
- Operates and performs maintenance on installed electrical, fire protection and security systems
- Monitored work performed by facilities vendors and contractors and perform remote hands services 7/24/365. Ensured that preventive maintenance agreements and scope were performed.
- Conduct shift walkthroughs: Script Evolution, CET Completion, Red Flag identification and solutions.
- Responsible for troubleshooting and problem resolution for critical systems.
- Wrote MOP/SOP and Emergency Procedures for critical infrastructure & systems.
- Regularly practiced MOPs book – Always evolving
- Responsible for the development of Critical Equipment Training Programs
- Responsible for weekly runs of training drills with CET Team
- Fill-in as sales engineer when necessary, along with reviewing and approving new construction MOPs
- Manage maintenance and repair projects on the Netfacilities PM work order system
- Responsible for customer installs, to include: fabrication of CAT 5/6, Testing CAT 5/6, SM/MM fiber, running, installation and termination of CAT 5/6, SM/MM fiber cross connection and jumpers
- Ensure that the CEO, Director of Site Management and VP of Critical Infrastructure receive timely verbal and written operating reports that provide clear understanding of the condition of the facility's Critical Infrastructure systems and the present level of ongoing maintenance.
- Ensure employees are adhering to all company policies and procedures to ensure compliance with all contract requirements and expectations.

Huge Data Center, Big Company, Seattle, WA
Facility Engineering Technician

2010 - 2012

- Monitored the operation of all critical infrastructure and systems
- Perform maintenance and repairs on facility mechanical equipment, including CRAH units, chill water systems, pumps, motors, cooling towers, pneumatic controls, water treatment, etc.
- Conducted maintenance and repairs on the installed Solar Turbine back-up generators and worked on the installation team to install 2.8MW Caterpillar emergency diesel generators.
- Operated and conducted maintenance on the UPS units, as well as the decommissioning of the legacy APC UPS systems.

United States Navy, Machinistmate (E6), San Diego, CA and Seattle, WA

1998 – 2009

- Supervised operations, corrective and preventive maintenance, troubleshooting and repairs for 4 GE LM2500 gas turbine engines, 3 Allison 501/K17/34 gas generator sets, power generation/distribution system, auxiliary support systems, pneumatic system, lube oil systems, firefighting systems, and cooling water system and maintaining logs and records or turbine operation, washes, and testing.
- Responsible for coordination and preparation of quarterly maintenance schedules, equipment summaries and performance logs for all propulsion plant equipment; to include analyzing equipment trend analysis, determining deficiencies and develop inspection and corrective procedures.
- Gained extensive experience working on HVAC systems at the shore based SIMA repair facility in Seattle. Traveled out to ships to repair systems, installed new equipment in the shipyards and mentored junior sailors on HVAC troubleshooting techniques. Completed the HVAC system maintenance training course on base, EPA Universal certified.
- Obtained highest engineering qualification as Engineering Officer of the Watch (EOOW), was responsible for the safe operation, casualty controlling actions, and recovery actions for the entire engineering plant, which included Gas Turbine Generator Sets (Allison 501/k17/34), LM2500 gas turbine propulsion engines, auxiliary support systems, pneumatic system, fuel and lube oil systems, and fire detection systems.
- Navy Oil King, responsible for the handling, receiving, transferring and testing of F-76/JP-5, all lubrication oils and complex water testing including potable water and boiler/feed water.

Key Achievements:

- Qualifying Engineering office of the Watch as an E-5, watch station normally held by E-6 and above.
- Received Navy Achievement medal for response, recovery efforts during a major fuel oil leak and preventing a major fire in the engineering main spaces.
- Qualifying as Naval Quality Assurance Officer.

CERTIFICATIONS:

- First Aid, CPR, AED
- OSHA 10-Hour and 30-Hour
- EPA Universal 608 certification
- Liebert certified technician
- MGE UPS certification