

Address Phone (111) 222-3333
Secaucus, NJ 12345 E-mail datactrcheng@gmail.com

Name

Summary:

- Responsible for leading teams in the maintenance, repair and operation of equipment installed in data centers and commercial properties ranging up to 2.3M sq/ft of total facilities.
- Experienced leader in the management of data centers and other critical facilities for corporations and government organizations. Trained teams in the correct and rapid response to equipment casualties and the importance of an effective preventative maintenance program.
- Managed large budgets up to \$150K per month for repairs and purchasing spare parts, and larger budgets for facility construction, operation and equipment installation.
- Possesses excellent customer service skills with the ability to convey engineering procedures and equipment capabilities to managers and customers with little technical knowledge on how engineering facilities equipment functions.

Certifications: Universal EPA 608 #0373313140500, NFPA 70E, OSHA 10/30, CPR/AED, and TIG/Stick welding ability, Taking NJ Conditioned Air Exam Sep 2017

Professional Experience:

Facility Engineer, **Big Data Center, Secaucus, NJ**

2014 - Current

- Managed the operations and maintenance of a 300,000+ sq/ft data center. Led the onsite team consisting of; Building Systems Manager (Chief Engineer), Dispatcher and a crew of 10 Engineers.
- Assisted in leading an electrical system upgrade project after a large circuit breaker failure event, this involved the complete overhaul of the installed switch gear, major circuit breakers and electrical system components to the data center.
- Led the project to install “cold aisle containment” systems to improve energy efficiency.
- Coordinated with outside vendors for specific maintenance and repair projects. Prepared statements of work to provide guidance to vendors in successful project completion. Instituted procedures to inspect completed projects for quality control purposes and inspected work sites daily to ensure work was performed in accordance with applicable building codes.
- Oversight of contractors responsible for the maintenance of the six 1,000-ton Trane chillers.
- Conducted inspections of electrical panels to include loose and grounded breaker. Ensured that panel schedule coincided with the field devices throughout the areas proposed for service.
- Conducted inspections of the plumbing throughout the facilities to include sinks, water closets, urinals, hot water heaters, domestic water pumps, fire pumps etc.
- Participate in critical facility annual planning activities, input to annual financial plans for operating expense and capital and development of ideas, monitoring and reporting of Cost Savings and Value-Added Opportunities
- Monitor routine assessments of electrical systems, operations and maintenance and establish guidelines for processes and procedures to maintain the absolute objective of 100% Uptime.
- Formulate, approve and implement preventative maintenance while collaborating with the project management team to deliver on time completion of mission critical projects.
- Facilitates management and training of onsite operating engineers, work order management, scheduling and coordinating vendor services.
- Extensive knowledge and hands-on experience in engineering and operational aspects of data center/critical facilities including UPS Systems, PDU's, emergency generators and static switches.
- Maintain proficiency and strict adherence to Critical Awareness Process, Technical Bulletins with established engineering guidelines, MOPs and SOPs.

ISS Facilities Services/Big Data Center, Atlanta, GA

2010 – 2014

Critical Environment Engineer II

Lead Technician for a 480,000sq. ft. Tier III+ Data Center and its surrounding support equipment

- Primary HVAC mechanic for the entire facility including (12) 500-ton RTAC chillers, 210 CRAH units, (35) 20-ton CRAC units and assorted RTUs
- PMs, Break-fix and Emergency Repair for facility equipment including all HVAC, JCI Metasys BMS, UPS systems, lighting systems and controllers, 12470 VAC diesel generators, etc.
- Primary site SME for the VESDA and Fireworks fire detection systems
- Responsible for escorting and supervising all vendors and contractors in the facility, as well as providing Quality Assurance/oversight and documentation of completed maintenance.
- Participated in the planning and execution of the new HP EcoPod containerized Data Center on-site
- Developed and wrote numerous MOPs for use within the facility

Lee Technologies, Charlotte, NC

2005 - 2010

Senior Critical Facilities Technician

Responsible for the day to day operations of a Tier III Data Center environment, including a 125,000 sq. ft. raised floor area and the surrounding support equipment.

- Responsible for scheduling and coordinating all maintenance on-site and ensuring adequate staffing during these maintenance windows
- Maintained and monitored all critical and non-critical equipment including chillers, cooling towers, pumps, motors, UPS systems, generators, switchgear, PDUs, RPPs, fire suppression and life safety devices
- Strict adherence to the MOP, SMOP, EOP and SOP procedures in place as well as the creation of new procedures to support new equipment and updating existing ones
- Responsible for the escort and oversight of all vendors/contractors performing work in the facility
- Developed and implemented a CET test program for the customer sites
- Provided on-call support to the customer sites on a 24x7 basis as needed
- Worked with our CMMS program (Tabware) to create and close work orders

Facilities Supervisor, EMCOR, Atlanta, GA

1999 –2005

Responsible for the management of a 137,000sq. ft. single tenant facility, and the surrounding property including a 7,000sq. ft. critical data center. Maintenance responsibilities included:

- Responsible for all contract negotiations and renewals with 14 vendors annually
- Managed all day-to-day interaction with 14 outside vendors, and was responsible for annual contract negotiations and renewals
- Maintenance of five Data-Aire CRAC Units used to cool the data center
- Responsible for Evapco cooling tower
- In charge of all materials ordering, inventory and distribution including maintenance supplies, paper and cleaning products, employee refreshments and incidentals.
- Responsible for all inspection and usage of Life Safety systems including; FM-200, Notifier and Pre-Action
- Instituted a Lock Out/Tag Out system for employee safety
- Led the hiring and development of a Building Engineer to assist with the day to day operations.

Education:

Graduated from Laurus Technical Institute, Jonesboro Campus HVAC course

Jul 2005

US Air Force HVAC/R curriculum: Sheppard AFB, TX

Sep 1989- May 1991

High School Diploma: Little High School, Columbia, SC

1989