Nicole Tanaka

Critical Facilities Engineer

nicole.tanaka@email.com (571) 555-0121 Ashburn, VA linkedin.com/in/nicoletanaka

SUMMARY

Critical facilities engineer with 7 years running mechanical and electrical plants in Northern Virginia data centers. Maintains HVAC, chilled water systems, UPS systems, switchgear and emergency generators, writes and runs MOPs for live maintenance, and has held 100% uptime across 2 campuses with clear communication skills during incidents.

EXPERIENCE

Critical Facilities Engineer

04/2022 - Present

Loudoun Data Infrastructure

Ashburn, VA

Shift engineer on a 36 MW colocation campus.

- Operate chilled water plants, CRAH units and HVAC controls supporting **36 MW** of IT load with 100% uptime.
- Write and execute 60+ MOPs a year for UPS, switchgear and generator maintenance on live systems.
- Run monthly load tests on 18 emergency generators and track fuel quality and transfer times.
- Respond to building management system alarms within 5 minutes and lead incident calls with customers.

Facilities Engineer

06/2019 - 03/2022

Potomac Colocation Services

Sterling, VA

Facilities engineer for a 12-hall colocation data center.

- Maintained UPS systems, batteries and PDUs for **12** data halls, replacing 400 batteries before failure.
- Coordinated vendor work on switchgear and chillers under strict change control, with 0 unplanned outages.
- Tracked equipment rounds and PM results in the CMMS, keeping 99% PM completion.
- Tested electrical panels with infrared scans twice a year and fixed 35 hot spots before failure.

SKILLS

- HVAC
- Electrical
- UPS Systems
- Switchgear
- Emergency Generators
- CRAH Units
- Chilled Water Systems
- Building Management System
- Methods of Procedure (MOPs)
- Communication Skills

EDUCATION

Associate of Applied Science

05/2019

Northern Virginia Community College

Annandale, VA

Air Conditioning and Refrigeration

CERTIFICATES

Certified Data Centre Technician Professional (CDCTP)

05/2023

CNet Training

EPA Section 608 Universal Certification

04/2019

U.S. Environmental Protection Agency

NFPA 70E Electrical Safety Training

01/2025

National Fire Protection Association