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Facility Engineer - DCEO（Data Center Engineering Operations）

> **Work on the most advanced technologies**

Job Information

Hiring Company
Amazon Web Services Japan G.K.

Job ID
1491081

Industry
Internet, Web Services

Company Type
Large Company (more than 300 employees) - International Company

Job Type
Permanent Full-time

Location
Japan

Salary
Negotiable, based on experience

Work Hours
9:00 ~ 18:00 (Actual working hours 8h)

Refreshed
October 2nd, 2024 02:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Daily Conversation

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

<u>DESCRIPTION</u>

AWS Infrastructure Services owns the design, planning, delivery, and operation of all AWS global infrastructure. In other words, we're the people who keep the cloud running. We support all AWS data centers and all of the servers, storage, networking, power, and cooling equipment that ensure our customers have continual access to the innovation they rely on. We work on the most challenging problems, with thousands of variables impacting the supply chain — and we're looking for talented people who want to help.

You'll join a diverse team of software, hardware, and network engineers, supply chain specialists, security experts, operations managers, and other vital roles. You'll collaborate with people across AWS to help us deliver the highest standards for safety and security while providing seemingly infinite capacity at the lowest possible cost for our customers. And you'll experience an inclusive culture that welcomes bold ideas and empowers you to own them to completion.

The Infrastructure Operations (Data Center) team is the backbone of AWS, supporting the rapidly growing AWS business and customers 24/7. We are committed to maintain the physical infrastructure of AWS, ensuring the standards for operational performance in the areas of safety, security, availability, productivity, capacity, efficiency, and cost.

Key job responsibilities
Facility Engineer - Data Center Engineering Operations (DCEO) role will be responsible for deploying, operating, and maintaining facilities (electrical/mechanical systems, control/fire-fighting systems, etc.) and managing related projects at our large-scale, high-density data centers.

In day to day scale, you will be involved in:
* Inspections and monitoring of building systems and troubleshooting facility issues
* Improving operation efficiency and energy savings
* Planning and performing of regular maintenance and repairs with vendors and partners
* Confirming electrical cooling capacity before new capacity installation
* Connecting power whips during equipment installation
* Reviewing designs for new data center construction and existing data center expansions
* Collaborate with project team members to support construction and testing

- WORKING HOURS
Flexible work arrangements:
o 8 hours of actual work between 9:00-18:00 on normal business days.
o Working hours can be consulted and adjusted depending on the work on the day and week.
o There are on-call duties after normal working hours, rotating by all team members on weekly basis.

About the team
Diverse Experiences
AWS values diverse experiences. Even if you do not meet all of the qualifications and skills listed in the job description, we encourage candidates to apply. If your career is just starting, hasn't followed a traditional path, or includes alternative experiences, don't let it stop you from applying.

Why AWS?
Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud platform. We pioneered cloud computing and never stopped innovating — that's why customers from the most successful startups to Global 500 companies trust our robust suite of products and services to power their businesses.

Inclusive Team Culture
Here at AWS, it's in our nature to learn and be curious. Our employee-led affinity groups foster a culture of inclusion that empower us to be proud of our differences. Ongoing events and learning experiences, including our Conversations on Race and Ethnicity (CORE) and AmazeCon (gender diversity) conferences, inspire us to never stop embracing our uniqueness.

Mentorship & Career Growth
We're continuously raising our performance bar as we strive to become Earth's Best Employer. That's why you'll find endless knowledge-sharing, mentorship and other career-advancing resources here to help you develop into a better-rounded professional.

Work/Life Balance
We value work-life harmony. Achieving success at work should never come at the expense of sacrifices at home, which is why flexible work hours and arrangements are part of our culture. When we feel supported in the workplace and at home, there's nothing we can't achieve in the cloud.

Location
Data centers located in Tokyo, Kanagawa or Osaka. (The recruiter will inform you of the approximate commuting time from the nearest station before the interview.)

Required Skills

BASIC QUALIFICATIONS

- 2+ years relevant work experience with operating and maintaining mission critical equipment (e.g. 24 hour operation factories, substations, hospitals, etc...).
- Experience or basic understanding of maintenance, change management, incident management, vendor management, as well as how to work adhering to policies, processes, and procedures.
- Both verbal and reading/writing proficiency in Japanese equivalent to JLPT N2
- Both verbal and reading/writing proficiency in English equivalent to TOEIC 550 or at a level to handle daily tasks in English

PREFERRED QUALIFICATIONS

- Certifications relevant to data centers (CDCP, CDCS, CDCE, ASHRAE, etc.) or certifications for managing data centers (Type II Chief Electrical Engineer, Qualified Energy Manager, Type 4 Hazardous Materials Engineer, Refrigeration Machinery Manager, 2nd Class Qualified Certified Electrician)
- Project Management certification (PMP, Prince2, ITILv2, BICSI).
- Strong ability to understand electrical systems (supply system of power substations, transformers, switchgears, VFI-class UPS, DRUPS, PDU, ATS, STS, SLA or VRLA battery and related systems, fuel systems related to diesel/gas turbine generators, surge control circuits, active harmonic filters, battery monitoring systems, branch circuit monitoring systems, SCADA systems).
- Strong ability to understand mechanical systems (CRAC/CRAH, AHU, chillers, cooling towers, storage tanks, heat exchangers, plumbing systems, pumps, valves, duct systems, fans, dampers, fire detection and extinguishing systems, drainage systems, building monitoring systems, automatic control systems).
- Fluency in English - TOEIC score 800+ or equivalent.