

SR Elec Colo Regional Engineer, Colocation Region Engineering- AMER

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Company: Amazon Data Services, Inc.

Location: Herndon

Category: other-general

Are you an engineer with a passion for data center design and looking for a challenge to chart your own course? If so, we are looking for you to help us make history.

AWS data centers are the foundation upon which our software and services operates to meet the growing demands of our customers. This role provides the opportunity to collaborate with business development, design engineers, data center operations professionals, external vendors and consultants, and other cross-functional teams to assess and select colocation facilities that meet our business requirements.

You will be able to showcase your in-depth understanding of data center design, engineering, and operations of infrastructure common to data centers, telecommunications facilities and other critical environment infrastructure.

You will work directly with internal business teams and with colocation vendors to identify, document, and resolve any operational/design deficiencies which could impact a site's capability or availability.

You will have opportunities to influence standards for data center products, build and improve processes, and to guide the direction of our colocation data center portfolio on a global scale. So, if you are a strong leader with solid data center mechanical, electrical, plumbing, and structural (MEPS) infrastructure design engineering experience, Amazon will present a fast paced, fun, and exciting work environment that is unique in every aspect and offers an exceptional rewarding opportunity for you.

You will be responsible for the following:

Conduct site assessments against AWS standards for collocation data centers, legacy

facility upgrades, and general capital endeavors.

Perform risk analysis and availability calculations for vendor owned and operated collocation data center's infrastructure to determine fit-for-use/fit-for-service.

Influence AWS' design and specification requirements to meet our business needs for AWS collocation products.

Investigate and document root-cause failure analysis associated with infrastructure and equipment failures.

Work with vendors and local agencies having jurisdiction to ensure compliance with federal, state and municipal requirements and codes.

Collaborate with engineering, operations, and commissioning teams to properly test and validate the installation, operation, and performance of critical electrical/mechanical/fire suppression/controls systems/structural systems.

Support Operations, data scientists and other business partners to determine utilization, efficiency, and performance analysis on critical systems.

Travel to Data Center sites as required - International & Domestic (up to 50%)

Key job responsibilities

Conduct site assessments against AWS standards for collocation data centers and telecommunications facilities within the region.

Reviews vendor critical infrastructure designs and perform risk analysis and availability calculations for vendor owned and operated collocation data center's infrastructure to determine fit-for-use/fit-for-service for AWS cloud compute and networking services.

We are open to hiring candidates to work out of one of the following locations:

Atlanta, GA, USA | Herndon, VA, USA | New Jersey, NJ, USA

BASIC QUALIFICATIONS

- Engineering degree in Electrical, Mechanical or related discipline, or 10 years commensurate industry or military experience in lieu of degree
- Cumulative 5+ years of focused experience in Data Center or Carrier-class

Telecommunications design, engineering, and/or operations and maintenance (O&M) of data center critical environment infrastructure.

PREFERRED QUALIFICATIONS

- Master's degree in engineering
- 10+ years cumulative data center design experience
- PE or EIT
- Prior project management experience; PMP, PMI

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