Network Engineer

The primary responsibilities of the Network Engineer will be to apply theoretical and practical application of the principles of Network Engineering with the purpose of providing access to the newest and most advanced network technologies and cloud services to our Members. Development efforts with Software Defined Networks (SDN) will play a large role in the fulfillment of these advanced services. The role will be to collaborate with members to understand their needs and develop and implement solutions that effectively leverage OSHEAN On-Net and Cloud services and to provide day to day support and troubleshooting. OSHEAN operates an advanced service provider network that includes a fiber optic backbone with a full suite of IP services including Internet access, firewall, security, content filtering, DNS, and Cloud based Services.

 The Network Engineer will be responsible for:

- Provision and troubleshooting core and client network connections that use the following protocols, DWDM, MPLS, Segment Routing, VLPS, EVPN, OSPF and BGP in a Service Provider environment.

- Troubleshooting Layer 1, 2 and 3 of the OSI model using tools such as an OTDR, iperf, perfsonar and Wireshark to analyze packet captures.

- Assign IP addressing, VLANs and configure and troubleshoot DNS, Firewall and Filtering rule sets.

- Identify and Mitigate network vulnerabilities and DDoS Attacks.

- Development of solutions, designs, implementation strategies, and project execution of On-Net and Cloud-based Solutions.

- Monitor network performance and traffic analytics.

To be a successful candidate, you will need to have a strong understanding of a service provider network infrastructure. You will also need to be able to implement, administer, and troubleshoot network devices including, routers, switches firewalls and controllers.

OSHEAN, Inc.'s minimum educational qualifications for the position of Network Engineer is a bachelor's degree in Information Technology and/or Computer Programming. Or at least five years' experience in a related field of employment with advanced certifications such as Cisco Certified Internetwork Expert (CCIE).