

HEEROK MUTSUDDY

Senior Network & Cloud
Infrastructure Engineer

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Cloud and data center infrastructure professional with 10+ years of experience architecting and operating mission-critical networking for Bangladesh's national Tier IV data center. Combines enterprise networking, Oracle Cloud Infrastructure (OCI), hybrid cloud, optical transport, and disaster recovery expertise to deliver secure, resilient, and scalable platforms for government and enterprise customers. Experienced across architecture, deployment, operations, modernization, incident response, and technical leadership.

WORK EXPERIENCE

Assistant Manager (Network)

Bangladesh Data Center Company Limited (BDCCL)
12/2020 - Present Dhaka, Bangladesh

Achievements / Tasks

- Architect enterprise and hybrid cloud networking supporting Bangladesh's national Tier IV data center.
- Manage 20+ Oracle FastConnect circuits connecting 60+ customer environments and delivering more than 40 Gbps of connectivity.
- Design OCI networking using DRG, VCN, FastConnect, Site-to-Site VPN, IAM, NSG, and Network Firewall.
- Lead modernization including DRCC networking, IPv6 deployment, core router migration, and resilient disaster recovery connectivity.
- Provide technical leadership for incident management, root cause analysis, capacity planning, and operational governance.

Assistant Maintenance Engineer (Electro-Mechanical)

Bangladesh Computer Council (BCC)
25 May 2016 - 14 Dec 2020 Dhaka, Bangladesh

Achievements / Tasks

- Contributed to the setup, installation, commissioning, testing, and operational readiness of the IV Tier National Data Center's private-cloud, server, storage, network, SAN/NAS, DWDM, and bearer-network infrastructure.
- Performed network operations; preventive and corrective maintenance planning; inventory inspection; technical reporting; vendor supervision; and cross-functional technical coordination.
- Participated in preliminary and final acceptance tests, service and commissioning tests, as-built documentation and technical-report review, and operational handover.

SELECTED STRATEGIC PROJECTS

- **OCI Dedicated Region Cloud@Customer (DRCC):** Designed and supported networking for a dedicated OCI deployment.
- **OCI Cross-Tenancy Transit Networking:** Developed a transit networking architecture across OCI tenancies.
- **100G Tier III-Tier IV DCI:** Engineered resilient connectivity using DWDM and dark fiber.
- **IPv6 & Core Network Modernization:** Led IPv6 deployment and core router migration initiatives.
- **Government Cloud Modernization:** Supported modernization of government cloud infrastructure.

SKILLS

Enterprise Networking: BGP, OSPF, IS-IS, MPLS L2/L3 VPN, VRF, VXLAN EVPN, IPv4/IPv6, multicast, IPsec VPN

Cloud: OCI VCN, DRG, FastConnect, Site-to-Site VPN, IAM, NSG, Network Firewall, hybrid cloud

Data Center: Tier III/Tier IV, DCI, DWDM, OTN, disaster recovery, business continuity

Platforms: Cisco ASR/Catalyst/Nexus, Juniper, Huawei, Fortinet, VMware, OpenStack, Linux, Terraform

CAREER HIGHLIGHTS

- Managed networking for 60+ Oracle Cloud customer environments.
- Operated 20+ FastConnect circuits providing more than 40 Gbps.
- Engineered resilient 100G Tier III-Tier IV DCI using DWDM and dark fiber.
- Published peer-reviewed networking research with Springer Nature.

EDUCATION

M.Sc. Computer Science (Computer Network & Architecture)

AIUB | CGPA 3.96/4.00 | Summa Cum Laude

B.Sc. Electrical & Electronic Engineering

AIUB

CERTIFICATES

OCI 2025 Certified Networking Professional

OCI Architect Professional

Uptime Institute AOS

APNIC Certified IPv6 Associate

AWS Certified AI Practitioner

PUBLICATIONS

Springer Nature

An Implementation of Basic Ant-Colony Optimization Based Routing in Wireless Sensor Networks.

Technical Writing

OCI networking, DCI, network security, MTU/TLS troubleshooting, and IPsec resilience.