

PARANVEER KUMAR

🌟 Dedicated and skilled IT professional seeking a challenging position in Cloud Security. I am eager to leverage my expertise in cloud security best practices, identity and access management, and compliance frameworks to enhance the security posture of an organization while maintaining a healthy work-life balance.

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☎ 9466866654

📍 Bangalore, Karnataka

KEY STRENGTHS

- Proficient in AWS security services, including Identity and Access Management (IAM), Web Application Firewall (WAF), and AWS Shield for DDoS protection, with a strong understanding of AWS shared responsibility models to ensure compliance with security best practices and regulatory requirements. Skilled in configuring AWS IAM roles, policies, and permissions to enforce the principle of least privilege, implementing multi-factor authentication (MFA) for enhanced security, and utilizing federated access with SAML and OIDC to protect sensitive resources.
- Possessing a strong understanding of AWS Virtual Private Cloud (VPC) architecture, including the design and implementation of security groups and network access control lists (NACLs). Proficient in configuring Palo Alto firewalls to enhance threat prevention, manage traffic effectively, and ensure secure access to applications and data. Experienced in routing and switching protocols to optimize network performance and security. Familiar with AWS Key Management Service (KMS) for data encryption at rest and in transit, and skilled in implementing S3 bucket policies and encryption options (SSE-S3, SSE-KMS) to safeguard sensitive information, as well as using AWS Certificate Manager (ACM) for SSL/TLS certificate management.
- Experienced in DevOps and automation, utilizing Infrastructure as Code (IaC) with Terraform and AWS CloudFormation to automate the deployment of secure cloud environments. Proficient in using Docker for containerization and GitHub for version control and CI/CD pipelines, ensuring that security practices are integrated throughout the development lifecycle.
- Proficient in incident response, leveraging AWS Security Hub for centralized security management and compliance monitoring, along with AWS GuardDuty for proactive threat detection and continuous monitoring of AWS accounts and workloads. Skilled in incident response planning and execution, utilizing AWS CloudTrail for auditing and forensic analysis.
- Familiar with compliance frameworks and tools, including AWS Config for resource compliance monitoring and AWS Audit Manager for continuous compliance assessments, with a solid understanding of industry standards such as GDPR, HIPAA, and PCI-DSS as they relate to AWS environments.

WORK EXPERIENCE

👛 TERRALOGIC SOFTWARE PRIVATE LIMITED.

📍 Bangalore, Karnataka

👤 Senior Network Engineer 📅 03/2023 – Serving Notice Period

- Ticketing Tool - Jira
- Managed AWS security services, including AWS WAF for web application protection, ensuring compliance with security best practices and enhancing the security posture of cloud environments. Configured AWS IAM roles and policies to enforce least privilege access, implemented multi-factor authentication (MFA) for critical accounts, and established federated access for seamless integration with corporate identity providers.
- Deployed and managed Amazon EC2 instances, optimizing instance types and configurations for

performance and cost-efficiency while implementing security groups and network access control lists (NACLs) to control inbound and outbound traffic. Managed Amazon S3 buckets by implementing bucket policies and access controls to secure sensitive data, and configured server-side encryption (SSE) to protect data at rest.

- Designed and maintained AWS VPC configurations, including subnets, route tables, and peering connections, to ensure secure and efficient network architecture. Leveraged Palo Alto firewalls for advanced threat prevention and traffic management, ensuring secure access to applications and data.
- Implemented data encryption strategies using AWS Key Management Service (KMS) for data at rest and in transit, ensuring compliance with data protection regulations and enhancing overall data security. Utilized AWS Security Hub and GuardDuty for proactive threat detection and incident management, significantly improving response times and incident resolution through automated alerts and remediation actions.
- Automated routine tasks and processes using Python scripts, enhancing operational efficiency and reducing manual intervention. Leveraged AWS CloudWatch for monitoring resource utilization and performance metrics, creating custom dashboards and alerts to proactively address potential security incidents.
- Collaborated with cross-functional teams to troubleshoot and resolve AWS-related issues, enhancing overall service delivery and customer satisfaction through effective communication and problem-solving.
- 🏆 Achievement: Recognized by the client for outstanding performance in handling cases in a timely manner without any omissions.

IP INFUSION SOFTWARE INDIA PRIVATE LIMITED

 Bangalore, Karnataka

 Senior TAC Engineer  01/2022 – 01/2023

- Ticketing Tool - Jira || Access Tools - Putty, MobaXterm.
- Protocols Hands-on: Static, Default Routing, OSPF, BGP, MLAG, VXLAN, NAT, ACL, ACCESS, TRUNK, VRRP, VTP, LACP, AAA, TACACS+, SSH, TELNET, STP, RSTP, PVSTP, L2VPN, L3VPN, IPSec, IKE1, IKE2, SNMP, VRF, MIB, NetConf, YANGCLI, FTP, TFTP, DNS, DHCP, PING, TRACEROUTE, ICMP, SNI, OS upgrade, IPv4, Subnetting, TCP/IP, OSI suite, password reset.
- AWS Environment Monitoring: Monitored and secured AWS environments, ensuring compliance with security best practices for IAM roles, security groups, and overall cloud configurations.
- Incident Troubleshooting: Provided expert troubleshooting for high-severity production issues during debug calls, effectively resolving customer-reported incidents related to AWS services.
- Log Analysis: Analyzed various log files from technical support cases, including AWS CloudTrail logs and VPC flow logs, to identify security incidents and performance issues.
- Issue Simulation: Simulated customer-reported issues in a controlled lab environment, replicating AWS configurations and setups to diagnose and resolve routing, switching, and connectivity problems.
- Bug Tracking and Resolution: Logged bugs and defects in AWS services, coordinating follow-ups until final resolution, including validation and sanity testing before delivering patches or fixes.
- Customer Support: Provided support for general queries and issues related to AWS services, ensuring timely and effective resolution for customers utilizing AWS infrastructure.
- Cross-Functional Collaboration: Coordinated with internal teams, including Development, Subject Matter Experts (SMEs), Engineering, and Quality Assurance (QA), to troubleshoot and investigate AWS-related issues.
- Documentation Updates: Updated internal documentation, including configuration guides and release notes, in collaboration with the documentation team to ensure accuracy and clarity.

- Knowledge Base Management: Created and updated knowledge base articles and JIRA Confluence pages for both internal teams and external customers, enhancing resource accessibility.
- Automation Scripting: Developed Python scripts for automating AWS tasks, including VPC interface management and resource provisioning, to streamline operations and improve efficiency.
- Packet Analysis: Conducted packet analysis using tools like Wireshark to troubleshoot network-related issues and ensure secure data transmission within AWS environments.
- 🏆 Achievements: Recognized for outstanding performance in handling the maximum number of cases in a timely manner.

NETSMARTZ INFOTECH (INDIA) PRIVATE LIMITED

 Mohali, Punjab

 Network Engineer  09/2021 – 01/2022

- Ticketing Tool – Jira Service Desk || Monitoring Tools – Alerta, Grafana, Kibana, OpenKilda.
- Providing technical support to Telstra internal & external customers regarding new link delivery, general queries, and reported issues with deployed links.
- Providing support to customers regarding VNFs with NAT, ACL, IPv4, Subnetting, TCP/IP, LOAs etc.
- Providing support to global customer-deployed VNF, DIA, cloud router, flows in the cloud.
- Providing support to customers for cloud image deployment as per their requirement: Palo Alto, Cisco routers etc.
- Providing support to AWS customers regarding EC2, S3, EBS, snapshots, VPC, route53, IAM, RDS,
- Configure Palo Alto Firewall PANOS 9, 10 for cutomers.
- CloudWatch, Loadbalancer, and Auto Scaling Group.
- Coordinating with the Dev Team regarding defects/bugs.
- Coordinating with Telstra Domestic, Global Service Desk, Equinix regarding flapping/down circuit issues (ISLs).
- Coordinating with Data Centre teams for Telstra managed Cisco, Juniper routers, Dell servers; Noviflow switches alerts/changes/maintenance.
- Performing VNF migrations using provided APIs between various cloud Data Centers;

Stefanini Group.

 Noida, Uttar Pradesh

 Network Engineer  03/2021 – 09/2021

- Ticketing tools - iVanti, ServiceNow || Monitoring Tool – SolarWinds.
- Protocols Hands-on: STP, RSTP, ACL, NAT, VLANs, HSRP, Trunk, EtherChannel, VTP, RIP, OSPF, BGP, IPSEC, IKE 1, IKE2, SSL, CRL, OCSP, CA, VPN, cisco switches IOS upgrade, password reset, IPv4, TCP/IP, OSI, Subnetting,
- Monitored and maintained AWS services with a strong focus on cloud security, implementing best practices for EC2 instances, VPC configurations, IAM roles, and security groups. Ensured compliance and risk management through effective use of CloudTrail for auditing, CloudWatch for monitoring, and regular security assessments across all deployed resources.
- Configure Palo Alto Firewall PANOS 9, 10 & maintaining them.
- Configure Tap, L2/L3 interface HA and Zone.
- Make Policy changes that means creating/modifying/deleting Access Rules.
- Troubleshooting the connectivity issues and ensure firewall is allowing the intended traffic.

- Monitoring the health of the firewall, like CPU, Memory, Bandwidth, Temperature, Sessions etc.
- SOP documents creation.
- Cisco switches configuration & troubleshooting - 2960X-48TS, 3850-48PS, 3560-24PS.
- Provisioning AWS services on customer requests & troubleshooting the issues.

PROGRESSIVE INFOVISION PRIVATE LIMITED.

 Gurgaon, Haryana

 Network Engineer  02/2020 – 03/2021

- Ticketing Tool - DT B2B, Helpmate Remedy || Monitoring Alerts for Primary/Secondary - Everest Tool, Monitoring Tool – SolarWinds || Access Tool - Putty.
- Protocols Hands-on : OSPF, ACL, NAT, VLANs, BGP.
- Coordinating with banking customers for First Level Troubleshooting for link issues.
- Cisco 800M series routers basic configuration, troubleshooting.
- Coordination with global teams from L2, L3, DCS, ISP for configurations changes, troubleshooting, maintenance.


WTVISION SOLUTIONS PRIVATE LIMITED.

 Noida, Uttar Pradesh


 Network Engineer  02/2018 - 02/2019

- Configuration of NetgearSRX 5308 Firewall, Palo Alto NGFW PANOS 9.
- Protocols: ACL, NAT, LAN, WAN, VLANs, Inter-VLAN Routing, TRUNK, DHCP, DNS, Zones, Security Policies, Security Profiles, IPv4, TCP/IP, OSI, Subnetting, MAC binding.
- Monitoring, and maintaining the AWS services & servers deployed on EC2, VPCs, Simple Storage Service, EBS, snapshots, NACL, IAM, Security Groups, LoadBalancers, AutoScalingGroup, RDS, CloudWatch, CloudTrail, Github.
- Configuration & deployment of Cisco switch 2950-24 & non-manageable switches.

EDUCATION

 B.Tech in Computer Science & Engineering (Full Time)

 Hissar, Haryana

Guru Jambheshwar University of Science & Technology  07/2014 - 07/2017

LANGUAGES

 English

 Hindi

 Punjabi

INTERESTS

 Learning New Technologies

 Yoga

 Traveling