**SHIV KUMAR**

**Security Engineer (Cloud/Network/Cyber)**

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**Objective:**

To secure a challenging position in a reputable organization to expand my learnings, knowledge and skills that can greatly use my potentiality.

**Organization: Amtex Software Solution Pvt Ltd**

**Designation: Security Engineer**

**Nov 2019 -Present**

* Work on nist,iso framework to protectorg Identify,Protect,Detect,Respond,Recovery
* The Cybersecurity Framework consists of three main components: the Core, Implementation Tiers, and Profiles
* Cryptography: Having good exp in cryptography and its type Secret Key Cryptography,Public Key Cryptography,Hash Functions
* Traceroute:This Having good exp in (ICMP) traceroute protocal and UDP packets
* Firewall:Firewall:having good exp in configuration of Palo Alto,fortigate,suphose firewall
* Three-way handshake?:having exp in TCP and TCP uses a three-way handshake to establish a reliable connection. The connection is full duplex, and both sides synchronize (SYN) and acknowledge (ACK
* Error response code: having good exp in error code like 2xx,3xx,4xx,5xx
* CIA: have good exp in Confidentiality, Integrity, and Availability and
* Cyberattacks:have good exp in malware, social engineering, or exploiting vulnerabilities
* Data leakage: having exp in Data leakage and how can protected by physically or electronically via hard drives, USB devices, mobile phones,
* Port scanning: know about how we can protect from hacker and wekness and vulnerability of infrastructure
* Brute force attack: having good exp in hacking method that uses trial and error to crack passwords, login credentials, and encryption key
* Hashing and encryption: Have good knowledge in Hashing and encription and diffrence between them
* Vulnerability assessment:I have able to found loophole and weakness and how to mitigate that issue
* Penetration testing:I have exp in Penetration testers use the same tools, techniques, and processes as attackers to find and demonstrate the business impacts of weaknesses in a system
* SSL encryption:Having good understanding in SSL is a security protocol that determines how to encrypt data using specific algorithms
* WebApp security (WAP):I have aware about the http, https protocal to secure website
* Vulnerability management program support
* Owasp top 10: have good exp in all phase of web security risk like 13/2017/2023
* DOS/DDOS:i have exp in these attack and how to mitigate and know about its type Application-layer Flood, DDOS,and Unintended Denial of Service Attack
* EDR tools: i have good exp in these tool like IBM QRadar, defender and crowdstrike
* Authorization/Authentication: having exp in MFA,single factor
* Role Policy Management:i am ware about the policy on user and systems and how to ristriction on that
* Vulnerability Management: having good exp in these vulnerability tool Tenable/Qualys/Rapid7
* Vulnerability Discovery, Prioritization, Remediation, and Reporting
* OS:He is comfortable about Linux and MS window
* Patch management tools: Having comfortable about patching toll SCCM, Ivanti, RedHat Satellite a plus
* Active Directory and Identity Management:i have good exp in identity and access management tool(IAM)
* AWS:Having good hand on exp in IAM, SG,NACL,Cloud HSM, Cognito,Amazon Inspector, Gaurd Duty,AWS Firewall Manager, Security Hub
* AWS GuardDuty: Having good exp in Guard duty
* AWS SecurityHub: I have good exp in Security hub
* Azure Security Center:I have good exp in these aws services
* AWS Shield:This I have good exp in protection of DOS,DDOS attack using aws shield
* AWS IAM:Candidate having good exp in creating ,Permission,Roles, Policies, group
* Security domain: I have good exp in cyber security, network security and web security
* IAM: AWS Organizations,AWS Resource Access Manager,AWS Directory Service,Amazon Cognito,AWS IAM Identity Center (successor to SSO)
* Detection: AWS Security Hub, Amazon GuardDuty, Amazon Inspector,AWS Config,Amazon CloudWatch, AWS CloudTrail, AWS IoT Device Defender
* Network and application protection: I have exp in AWS Firewall Manager,AWS Network Firewall, AWS Shield,Amazon Route 53 Resolver DNS Firewall
* AWS Web Application Firewall (WAF),AWS Verified Access (Preview);i have exp in thiese services
* Data protection: I have good exp inAmazon Macie,AWS Key Management Service (AWS KMS),AWS CloudHSM,AWS Certificate Manager,AWS Private Certificate Authority ,AWS Secrets Manager
* Incident response:having good exp inAmazon Detective,AWS Elastic Disaster Recovery
* Compliance:I have goos exp in AWS Artifact,AWS Audit Manager

**Organization: Amtex Software Solution Pvt Ltd**

**Designation: System Administration(Window/Linux)**

**Nov 2014 -2019**

* Window Client OS: I have good exp. in Window10, Window11, Window7,
* Window Server OS: having good exp in Window server2012, window server 2016, window server 2019
* Linux OS: I have good exp. in linux command and configuration and installing of Linux OS
* Active directry: Having good knowledge in FSMO, Domain, Forest, tree, OU
* DHCP/DNS:Having good exp. in configuration of these tool DNS/DHCP
* Webserver:having good exp.in setup and configuration of IIS, Apache, Nagios webserver
* Cloud Services: Having good exp. on AWS cloud services like EC2, VPC, lambda, S3
* Installing and configuring: i have good working exp. in hardware, software, systems, networks, printers, and scanners, wifi
* Office utility applications: having good exp. in toruble shooting Word, Excel, Outlook, PowerPoint, Skype, Teams, WinZip, Chrome,I Explorer
* Windows Patching: i have good exp.in window patching and updating services like SCCM, WSUS
* Network Troubleshooting: have good exp. in router, switches, firwall, IDS/IPS
* I have depth knowledge Windows server High Availability,Support cloud servers including security configurations, patching, and Troubleshooting. This i have good exp. in window slow issue, freezing, and os related issue in torubleshooting
* i have good exp. in builds, configurations, administration of Windows systems
* I am Responsible for setup, configuration, and troubleshooting of complex Windows environments likeclustering, high availability, load balancing
* Automation Scripting:Candidate has good knowledge in Powershell and shell scripting
* Bitlocker Management: i am having good exp. in bitlocker and encription and decription
* MS Exchange 2010:Candidate I have good exp. in ms exchange using mmail creation, deleting ,mail backup
* Anti SPAM and Anti Virus: I have candidae has good exp in suphose, mcafee, symentec antivirus
* Backup Restore: I have has good exp in backup and restore the server
* DataCenter: I have good exp in datacenter managment
* Office 365: Having good exp in office 365 tool and trouble shoot of problem

**Organization: Wipro,KPMG, Genpact (Progressive Infovision)**

**Designation : Cloud Administrator/ System Administrator**

**Feb 2011 – Nov 2014**

**Technical Skills:** Window/Linux services, AD,DNS,IIS,FTP, Mcfee, suphose, safeboot,IDS,IPS,Firewall

**Cloud Skills:** Ec2,vpc,s3,sns,sqs,cloudwatch,cloudtrail,loadbalancing,autoscaling,cloudformation

* Creating EC2 instances and instances type
* Working on launch template and different kind of AMI
* Working on EC2 EBS volume, snapshot, and life cycle manager of it
* Configuring the EC2 network and security as security group, elastic ip, placement group and key pair
* Creating the load balancer and auto scaling group and creating its policy
* Experience on Configuration /management of Creating VPC
* Working with VPC component like subnet, rout table, internet gateway, peering connection, NAT gateway
* Working VPC service like virtual private gateway, site to site vpn, endpoint service
* Experience with Amazon network firewall and configuring firewall policy and setup network firewall rule and NACL
* Working with Route 53 services Host zone, health check and traffic policy
* Configuring DNS firewall and domain list
* Working with AWS monitoring, auditing, performance service like Cloud Watch, Cloud Trail, and AWS Config
* Experiencing AWS account management org.setup, health service dashboard and implement service Control policy
* Working with security and compliance tool AWS shields, AWS inspector, AWS guard duty and AWS WAF
* Having knowledge of KMS, cloudHSM, AWS STS
* Working with AWS elastic beanstalk service
* Working with storage service like S3,EFS, S3 glacier
* Experience with IAM user group, role, policy and user creation
* Experience working with window server feature AD, DNS, DHCP, WSUS, IIS, FTP server, File Server.
* Experience working with Microsoft server operating systems like server (2003, 2008, Server 2012, 2016, 2019).
* Experience working with the fort Fortigate FIREWALL server.
* Security Administration of File Server, user accounts and security groups on a multiple Active directory domains.
* Configured Print and File Servers and allowed access to users using Group Policies.
* Apply restriction to users, workstations and Servers as USB ,File etc
* Worked on Group policy management to restrict users to have limited access on their desktops.
* Experiencing working with Zimbra mail server providing support like mail creation, mail forwarding manage zimbra admin console.
* For window level security, here we are using AD service for the user authentication and authorization.
* Enforce the bruit force password policy in the system and user account environment
* LDAP authentication and security policy is the process of validating a username and password with a directory service using the LDAP protocol
* Implement the systems security service in infrastructure by using group policy management.
* We use software safe boot for encryption/decryption to secure our data if some stolen laptop or hdd.
* Managing the Otrs timesheet admin console by which providing support creation of user, deletion of user.
* Preventing the network and systems from cyberattacks, hacking attacks, intrusion, and natural disasters.
* Security principle in OSI, TCP/IP at all layer of secure communication
* Strong security system analysis skills and understanding of Cyber and IT security risks, threats.
* Collaborate with our Security team to ensure thorough pen-testing and security evaluation for all aspects of an AWS implementation
* Makes recommendations on existing projects to improve network security
* Manage firewall/security systems by establishing and enforcing policies; defining and monitoring access
* If found some major security loopholes in our network system and then I guided and created policies for security and patching those security flaws.
* Understanding of IPsec VPNs as well as real world implementation and troubleshooting experience
* Creating and managing the VM Machine on ESXI and vm workstation.
* Installing of oracle VM Virtual box using (OVM).
* Creating new virtual machine installing operating systems.
* Configuring and troubleshooting the network issue of VM.
* Importing and exporting the virtual machine.
* Creating/deleting the vpn and configuration to new user

**Organization:** **Relience communication**

**Designation: Technical /** **Desktop Support**

**July 2010 - Jan 2011**

* Installing/upgrading the all kind of ibi software like web focus, bue, ominigen,idm etc
* Hands on hardware related troubleshooting such as CPU, Memory, Disk, Network, Bios on laptop/desktop.
* Installation of SQL server 2003, SQL server 2008, SQL server 2012, SQL server 2016
* Good understanding of OS standards of Win XP, window7, window10.
* Installing and configuring any VPN (Hard Token and Soft Token)
* Configuration of Print devices (network and local) on Desktops and Laptops.
* Providing the access from AD like USB, CD Rom, and Admin etc.
* All type trouble shooting of MS suite like (MS office, outlook, PowerPoint, excel).
* Perform installation, configuration, migration, upgrading and maintenance of desktop PC/Server, software, operating systems and related peripherals.
* Installation and configuration of Microsoft Windows XP, 2000 server, Professional, Windows 2003 and 2008 Servers on Virtual Machines
* Installation and troubleshooting experience on communication apps like (skype, MS team, Lync)
* Managing the Otrs timesheet admin console by which providing support creation of user, deletion of user.
* Creating and managing the VM Machine on ESXI and vm workstation.
* Installing of oracle VM Virtual box using (OVM).
* Creating new virtual machine installing operating systems.
* Experiencing working with Zimbra mail server providing support like mail creation, mail forwarding manage zimbra admin console.

**Education**

**July 2006 – July 2010:** Bachelor of Technology, UPTU Lucknow 226001

**Certifications**

* Successfully completed **AWS SysOps** training on Udemy portal and get certification
* Successfully completed training session and generated certification on **AWS Cloud Practitioner** **Essentials Cloud** Practice Essential (First Edition) from AWS training portal.
* Successfully completed training session and generated certification on **AWS Cloud Practitioner Essentials Core Services** from AWS training portal.
* Successfully completed training session and generated certification on **Ethical hacking** from linked in.
* Successfully completed training session and generated certification on **Salesforce classic admin** certification from Udemy and linked in portal.