**Shekar Reddy**

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Around 9 years of versatile experience in the areas of Application, Cloud and Infrastructure/Network Security which includes design, implementation and support with extensive project execution expertise.

***PROFESSIONAL EXPERIENCE:***

**Capital Group, Irvine, CA Aug 2018 –Current**

**Cloud Security Engineer**

**Responsibilities:-**

* Responsible for end to end cloud security delivered in 5 pillars namely IAM, data security, application security, OS hardening (CIS/STIG Benchmarks and security patching/configurations), security intelligence
* Worked with business units, software developers, security, to design and build applications and services within AWS, Azure and on-prem
* Designed, implemented and managed virtual networking within Azure and connect to on-premises environments, configure Express Route, Virtual Network, VPN Gateways, DNS and Load Balancers
* Implemented user accounts and role-based policies for access to Azure services, Azure Identity Management services, WS-federation, OAuth, and SAML-P
* Integrated on-premises Windows AD with Azure AD, configure multi-factor authentication and federated single sign-on
* Experience with Security Centre, Key Vault, Application Gateway and Network Security Groups
* Collect requirements and build solutions and tools to constantly improve availability, performance, up-time and response times within Azure
* Performed penetration testing on AWS and Azure infrastructure to find miss configurations and data leakages.
* Migrated entire AWS accounts from AWS organization to Control Tower and configured SCP’s and guard rails as needed.
* Designed and implemented cloud security standards, policies and automated defenses across the organization using Terraform and Ansible
* Responsible for supporting integration and stable development environments, that consist of Windows and Linux servers, hosted both on-prem and in the cloud.
* Responsible for design, development and implementation of new security features.
* Troubleshoot and fix issues using monitoring tools and reviewing error logs.
* Created an AWS VPC for my team that met enterprise security and PCI requirements. Configuration and updates are automated using CloudFormation templates.
* Set up security groups and firewall rules to allow consumption of data center resources from our AWS VPC, as well as access services running in other VPCs.

**British Telecom, Saint Louis, MO**

**Cloud Security Engineer March 2016-July 2018**

**Responsibilities:-**

* Deployed, configured and managed infrastructure security products, tools and solutions to help augment security threat monitoring, detection, prevention and compliance as part of the organization's cloud security architecture.
* Worked with Cloud Operations, IT and product teams to perform security reviews and approvals for the planned deployments, initiatives and/or changes in the public cloud environment as part of the SDLC and Change Management processes.
* Developed and enforced cloud security standards in AWS and Azure including IAM policies, security groups, S3 bucket policies, encryption, network security, cloud workload and container security, logging, monitoring etc.
* Responded to and performed initial investigation and triaging of alerts from security tools and products like SIEM, IDS/IPS, EDR, Email Security etc.
* Performed security assessments based on relevant industry standards (SOX, NIST, PCI DSS, ISO27001) and provided remediation approaches to address the security control gaps identified.
* Worked with management and other technical teams in defining and implementing strategic, technical, and operational security/infrastructure controls that are properly aligned with business goals and objectives.
* Responsible for maintaining security configurations for routers, switches and firewalls and for using applicable encryption methods.
* Coordinated the implementation of security tools and secure infrastructure architectures to support transaction processing and internal initiatives, and implementation and support of transaction processing systems.
* Researched, designed, and developed new information security controls for clients on multiple security technologies such as Firewalls, Intrusion Detection/Prevention Systems, Vulnerability Scanning and SIEM.
* Scope and resolve complex issues with onboarding, deployment and configuration of AWS Security products
* Advise and educate customers on the features and capabilities of AWS Security products
* Interpret and analyze log data to troubleshoot issues
* Communicate solutions and recommendations to the customer and ensure that customers have the information and tools to address similar issues in the future
* Collaborate and coordinate with other teams and experts throughout AWS to tailor the best solution for customer issues

**Vodafone, India**

**Security Engineer Feb 2013 – Aug 2014**

**Responsibilities:-**

* Perform internal and external penetration testing of network infrastructure and applications
* Perform well controlled vulnerability exploitation/penetration testing on applications, network protocols, and databases
* Perform network reconnaissance, OSINT, social engineering, and physical security reviews
* Develop and deploy, internal control risk management, IT controls and related standards
* Identify and evaluate complex business and technology risks, internal controls which mitigate risks, and related opportunities for internal control improvement
* Identified information security and cyber risk issues, projects, or any other initiative that may have an information security implication.
* Activities, security risk assessments security related investigations, and provides information security awareness.
* Internal security and confidential information investigations and information usage security audits.

**TechoRaga, India**

**Network Engineer Aug 2012 – Feb 2013**

**Responsibilities:**

* Assisted in troubleshooting LAN & WAN connectivity and hardware issues in the network of 10000 hosts.
* Studied and analyzed client requirements to provide solutions for network design, configuration, administration and security.
* Troubleshoot problems on a day-to-day basis & provide solutions that would fix the problems within the network.
* Support customer with the configuration and maintenance of ASA firewall systems.
* Assisted with various duties that would arise including implementation, configuration, management, rules definition, problem solving, design advice, troubleshooting, updating, maintenance, etc.
* Maintenance and Troubleshooting of LAN connectivity problems using Ping, Trace route.
* Managed the IP address space using subnets and variable length subnet masks (VLSM).
* Involved in troubleshooting IP addressing issues and Updating IOS images using TFTP.
* Experience with configuring BGP, OSPF on 7200 Cisco routers.
* Maintained redundancy on Cisco 2500, 2600 and 3600 routers with HSRP
* Monitor performance of network and servers to identify potential problems and bottleneck.
* Performed RIP & OSPF routing protocol administration.
* Interacted with support services to reduce the downtime on leased lines.
* Daily responsibilities included monitoring remote site using network management tools, assisted in design guidance for infrastructure upgrade & help LAN administrator with backbone connection and connectivity issues

*Tools Worked*

 **Skills:** WebApp penetration testing, Cloud Security Audits, and Engineering, 3rd Party Application Security Reviews

**Cloud Security Products:** Alert Logic Cloud Insight, Alert Logic Cloud Defender, Sumologic, Checkpoint Dome9

**AWS Security Services:** IAM, Inspector, Guard Duty, Macie, Directory Service, KMS, Organizations, Shield, WAF

**GCP Security Products:** IAM, Identity-Aware Proxy, Cloud DLP, KMS, Cloud Security Scanner

**Firewall Products:** Checkpoint Endpoint Security, Forcepoint, Websense, Cisco Sourcefire, Cisco AMP

**Application Security Products**: Checkmarx SAST, WhiteHat Security SAST &DAST, Netsparker, Rapid7 InsightVM, Rapid7 Insight AppSec, Rapid7 Appspider Enterprise, Qualys Guard WAS, CenzicHailStorm, Burp Suite Pro

**Cloud Services:** Amazon Web Services, Anthos (Google Cloud Platform), Microsoft Azure

**Automation:** CloudFormation, Ansible, Python

*Certifications*

• AWS Certified Security Specialty

• Microsoft Certified: Azure Security Engineer Associate

* Certified Ethical Hacker (CEH)
* Automated Defense in AWS, AZURE, AND GCP
* Cisco Certified Network Associate(CCNA)
* Offensive Security Certified Professional (OSCP)
* Checkpoint Certified Security Administrator (CCSA)
* Checkpoint Certified Security Expert (CCSE)

*Education & Personal Details*

**Bachelor of Computer Science – JNTU – India - 2012**