Challa Chandra Shekhar Reddy
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Professional Summary:

- Experience in Development and documentation of design & architecture.
- Hands on Experience with designing things at scale and with reusable, patterns and solutions for automations.
- Administration of Red hat Linux, Cent OS, Windows Servers, VMware Environments.
- Automating cloud environment using IAC like Terraform, CloudFormation, AWS CDK and Pulumi.
- Experience in CI, CD with Jenkins and Gitlab Pipelines.
- Experience in managing and performing admin activities on SQL Server, MYSQL, PostgreSQL.
- Containerization experience with Docker Swarm, Kubernetes, ECS, GKS.
- Hands on experience managing AWS, AZURE and GCP.
- Security Experience with Orca Security, AQUA scan, SNYK.
- Managing APIs with API Gateway and APIGEE.
- Deep Understanding and work experience with Cryptography, Authentication and Authorization protocols.
- Media Delivery experience using Elastic Transcoder and CloudFront.
- Managed and configured SIEM solutions to monitor and analyze security events, improving threat detection and response times.

Technical Skills:

Cloud Technologies	Amazon Web Services, Azure, Google Cloud, Oracle Cloud
Operating Systems	Red hat Linux, Ubuntu, Amazon, Windows servers [2012R2].
Languages	C, T-SQL, Shell, Bash, Python, Ruby
Databases	SQL SERVER, MY SQL, PostgreSQL
Technologies	Linux, Terraform, Dockers, Vault GIT, Jenkins, Argo CD

Education:

Bachelor of Technology, JNTU, India.
Master of Sciences (Computer Sciences), University of Central Missouri, MO

CERTIFICATIONS:

[AWS Certified Security - Specialty (Soc2)](#)

PROFESSIONAL EXPERIENCE:

Employer: Tek Leaders Inc.
7-Eleven, Irving, TX   **Sep 19 – Present**
Principal Security Engineer

Responsibilities:
- Implementing WAF (Web Application Firewall) for 7-11 websites and API's.
- Implementing APIGEE and API Gateway security policies and firewalls.
- CI/CD of Python and Node Applications to ECS, Far gate and Kubernetes (EKS).
- Cost Optimization of AWS services such as Far gate and security hub.
- Working with GKE (Google Kubernetes Engine) for migrating Data centre applications to managed Kubernetes Cluster.
- Managing Endpoint Protection on EC2 servers and Mac OS.
- Implementing Incident Detection and Response (XDR) on Endpoints with Cortex XDR.
- Managing APIGEE Edge Security platform, AQUA Container scanning and Cloud security management using HSM, Thousand eyes.
- Using Cloud Formation and Terraform for creating Cloud Infrastructure.
- Using Gitlab, Jenkins, Jira, Bit bucket for Continuous integration and deployment (CI/CD).
- Using New Relic for Application performance Monitoring (APM).
- Using Splunk, Athena and Cloud watch insights for Log management.
- Hardening of Linux servers (Ubuntu and Centos).
- Using Thousand eyes, OPS Genie for Network Monitoring.

Employer: Trend Set IT Inc.
Public Consulting Group, Boston, MA.   **Mar 17 – Aug 19**
Security Engineer

Responsibilities:
- Work on preparing for PCI, NIST, HIPAA audits.
- Implementing OS Security and Security Standards for Windows and Linux Servers.
- Running security scans on Windows and Linux servers using Qualys.
- Re-architecting applications for Cloud AWS Migration.
- Implementing Cyber security for application by disabling cipher suites, installing security certificates, implementing server hardening and installing firewalls.

- Creating the configuration for establishing a VPN tunnel, Direct Connect between on premise network and AWS VPC.
- Setup and configuration of ELASTISEARCH and KIBANA for WAF (Web Application Firewall) and VPC logs.
- Lambda functions in python for automation.
- Installation and setup of EMR (Elastic Map Reduce).
- Implementing security systems, including firewalls, intrusion detection systems, anti-virus software, authentication systems, log management, content filtering.

Mass Mutual Financial Group, Springfield, MA.   **Oct 16 – Mar 17**
Systems Engineer

Responsibilities:
- Developing use cases for different scenarios when working with Hybrid cloud platform with AWS and Private Cloud Platform.
- Designing Different aspects of AWS Infrastructure such as Boot strap pattern for AWS servers, Compliance management and secure authentication of Aws credentials for users with Okta and Active Directory Authentication.
- Working on Continuous integration and Delivery pipeline on AWS hybrid Cloud platform using Bit bucket, Ansible, Jenkins and Packer.
- Writing AWS Lambda Functions using python for event managements such as Daily backups of EC2 and enforcing security group tightening using lambda functions in AWS environments.
- Writing lambda functions for server less applications using python scripting.
- Developing Continuous Integration and Delivery model using Jenkins CI framework.
- Developing Application and infrastructure security model using Hashi Corp VAULT and CONSUL.

SAE International, Warrendale, PA.   **Dec 15 – Oct 16**
Systems Engineer

Responsibilities:
- Performing the hardening of AWS root accounts after requisition.
- Create IAM accounts for different users including developers, system admins and network admins.
- Analyse the existing on-premises architecture and come up with cloud architecture for the existing environment, and list all the services needed to migrate the current architecture including the price estimation of resources on AWS.
- Creating migration documentation for the on-premises environment to be migrated to the cloud environment.