K.PAVAN KUMAR

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PROFESSIONAL SUMMARY:

▢ Around Two years of experience in IT and 2+ years of Cloud Computing, Kubernetes Implementations, DevOps solutions, Cloud Implementations, and scalable microservices. Proven ability to solve complex problems with limited resources, on-time, and within budget. Retained critical clients in high pressure and politically charged situations by identifying and creating unique solutions, thereby maintaining revenue. Industry-leading blend of cutting-edge Kubernetes Deployments, Cloud Technologies, and system integration.Good expertise on AWS,Ansible,Dockers,Kubernetes,Terraform and Devops tools.

▢ Configured AWS EC2,ECS,EKS and Security Groups in Public and Private Subnets in VPC. Architected, Designed and Developed the Backup and Archiving, Disaster Recovery in AWS Cloud. Demonstrate the capacity to deploy complex infrastructure using AWS CLI. Hands on experience in development of utilities using Shell and Python scripting to automate processes. Strong expertise on Azure and Azure Devops Solutions.

TECHNICAL SKILLS SUMMARY:

✔ Cloud service/e platform: AWS	✔ Managing Domain Controller (AD Services)
✔ Managing IT infrastructure	✔ Windows XP &7 and Redhat 7,ubuntu
✔ Server Hosting & Virtualization - VMware ESX/ESXi 6.x	✔ Administrating DHCP, DNS
✔ VCenter 6.x,4.0 and 5.0	✔ Ansible
✔ VMware VCenter Converter	✔ Maven, ANT
✔ Jenkins	✔ Git,Github
✔ Kubernetes	✔ Sonarqube
✔ Nagios	✔ Dockers
	✔ Promethues

WORK EXPERIENCE:

Working with Valuelabs Hyderabad from May 2019 to till date.

AWS RESPONSIBILITIES:

✔ Designed cloud solutions for customers leveraging services including, but not limited to, VPC, EC2, S3, RDS, Route53, CloudFormation, Lambda, CloudWatch and SNS.

✔ Good Expertise on VPC,ELB,S3 Buckets ,Route 53

✔ Automated deployment of customer environments using complex CloudFormation stacks to create assets in IAM, VPC, EC2, Route53, CloudTrail, Lambda, etc. while protecting business-critical assets from deletion via Stack Policies.

✔ Good Exposure towards AWS Workspace.

✔ Monitored AWS Infra Through Cloudwatch

✔ Automated AWS services by cloud formation and Terraform

- ✔ Hands-on Expertise in RDS, Lambda,Beanstalk
- ✔ Automated deployment of products including, but not limited to, OpenVPN, Duo MFA, Cherwell, and several Windows Roles and Features using CloudFormation.
- ✔ Automated repeatable processes and increased functionality by engineering Lambda functions that leveraged components including, but not limited to, S3, SNS, and CloudWatch.
- ✔ Assisted in strict separation of permissions to the least-privilege model using IAM roles and policies both within and across AWS accounts.
- ✔ Aided in design and construction of hybrid cloud environment spanning vSphere 5, Amazon Web Services, and Microsoft Azure for hosting client servers and services.
- ✔ Understand client requirements, propose solutions and ensure delivery.
- ✔ Bundle Instances - EBS & Instance store-based, Snapshot of EBS.
- ✔ Experience in designing and developing comprehensive Cloud Computing solutions on the AWS platform.
- ✔ Experience with EC2 Auto Scaling, EBS, S3, ELB, RDS, CloudFront, Cloud Watch Elasticache, DynamoDB, and other AWS Services.
- ✔ AWS monitoring, queuing & notification.
- ✔ Architecture design with scalability and performance as the primary objective.
- ✔ Implementing AWS Infrastructure services (IAAS) like EC2, VPC, ELB, EBS, S3, SES, RDS, and CloudFront.
- ✔ Knowledge of Cloud Computing Architectures, Networking Topologies, and Clustering techniques.
- ✔ Setting up a new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IPs.
- ✔ Monitoring health of Amazon EC2 instances and other AWS services.
- ✔ User management e.g. creating and managing users in Redshift, S3, etc.
- ✔ Help customers build scalable, resilient, and high-performance applications and services on AWS.
- ✔ Designing Auto scaling architectures for applications.
- ✔ Develop/capture/document architectural best practices for building systems on AWS.
- ✔ Custom monitoring metrics/analysis/alarms via CloudWatch.
- ✔ Configuring security groups and grouping the servers depending on the applications.
- ✔ Enabling and disabling of inbound and outbound ports of security groups using AWS GUI.
- ✔ Managing snapshots of Amazon EBS volumes or images of EBS backed EC2 instances manage backup sets with retention handling, or create snapshots and images (AMIs).
- ✔ Backup and restore of Aws Resources

DevOps, Ansible, and Jenkins Administrator:

- **Ansible & JENKINS**

    - Automated deployments for 200+ cloud servers using Python and Bash.
    - Good Exposure on Ansible, Jenkins, Dockers, Maven.
    - CI and CD Integration using Jenkins and Ansible
    - Maintain build profiles in Team Foundation Server and Jenkins for CI/CD pipeline.
    - Spearheaded migration from Puppet environment to Dockers-based service architecture.
    - Worked in Complex configuration management using playbooks and Vaults

❑   Configuration Management using Ansible to set up the environment

Dockers:

✔ Development/deployment and monitoring of new Dockerized infrastructure
✔ Docker support for Go/NodeJS/Python development team
✔ Good Expertise on Docker machine, Docker Swarm , Docker Compose
✔ Developed Images using Docker files and Deployed containers using Docker compose
✔ Good Expertise in creating docker machines on Aws, Azure and Virtual box
✔ Hands-on Experience in Docker Swarms and Docker stack deployments
✔ Created multiple containers using Docker Compose and Stacks

Kubernetes:

✔ Implementation of RBAC for Kubernetes Clusters
✔ Created Kubernetes Environment
✔ Good expertise on Helm charts to deploy Kubernetes resources
✔ Good knowledge of Aws EKS
✔ Created Persistent Volumes and Statefulsets
✔ Deployed application into Kubernetes environment and Loadbalance also performed using Ingress
✔ Deployment: Kubernetes, Cloud Foundry, Bamboo, Bitbucket,
✔ Monitoring Kubernetes Deployments

Job Roles as VMware administrator:

✔ Configured & Deployed ESX/ESXi server incorporates production environment.

✔ Implementation of VSphere, users, and groups management.

✔ Perform system troubleshooting, performance tuning, and capacity planning.

✔ Use VSphere Vcenter Server to monitor virtual machine resource usage.

✔ Use VMware VSphere Vcenter Update Manager to apply patches to virtual machines and also Virtual Private Networking (VPN) tools and techniques to maintain these VM's

✔ Managed ESX and ESXi systems through VSphere VMA for running scripts and agents

✔ Involved in P2V, V2V Migration as per client Requirement.

✔ Installing and Maintaining Vcenter Servers

✔ Taking regular backup of Vcenter Server machine

✔ Creating Resource Pools and Setting limits on CPU and RAM

✔ Delegating permissions on Resource Pools to users using Access Controls

Linux Administrator Roles:

✔ Installation and maintenance of Windows and Linux-based systems within a client's digital environment.

✔ Evaluates industry trends, standards, and new technologies to recommend the change (i.e., evaluate and integrate new OS versions, drivers, and hardware.

✔ Troubleshooting Oracle and SAP applications on Linux

✔ Configuring Linux Firewall, Transparent Squid server, DHCP, DNS on Centos Server for more than 100 clients.

✔ Installing and Maintain MAC OS X 10.9 Mavericks on Desktop Machines

✔ Set up & Manage secure Virtual Private Network (site to site) between Regional and Head Office

- ✔ Designs and implements LAN/WAN using switching and router technology.
- ✔ Providing advice on selection and purchase of IT equipment.

System Administrator Roles:

- ✔ Level 2 systems, servers support in production environment and co-ordinate with the General help desk support and the Application Development teams.
- ✔ Working for ADS (Active directory), DHCP, and DNS. & responsible for Windows Domain-related all issues.
- ✔ Making & removing domain user's accounts and groups. Assigning securities for resources. Making Organizational Units for other departments. Creating groups & Appling security Policies for that & different types of restricted policies.
- ✔ Successfully configured & maintain DHCP, DNS server. & related all issues.
- ✔ Maintenance of various makes of networking equipment and deployment of assembled systems and designing of Local Area Network. Making reservations using DHCP for Client Laptops & network printers.
- ✔ Appling Shared folder & file level securities, mapping on client-side.

EDUCATIONAL QUALIFIICATIONS:

COURSE	INSTITUTION	DURATION	PERCENTAGE
B.TECH (CIVIL)	GITAM UNIVERSITY	2015-2019	7.33 (GPA)
INTERMEDIATE	ABHYAS JUNIOR COLEGE	2013-2015	93%
SSC	PRESENTATION HIGH SCHOOL	2012-2013	9.3 (GPA)