Gangapuram Bhargav

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SUMMARY

Cloud Network Engineer with hands-on experience in cloud infrastructure management, networking, and DevOps automation. Proficient in AWS, GCP, Docker containerization, Kubernetes orchestration, CI/CD pipelines with Jenkins, and VPS server administration. Strong background in network design, routing, switching, firewalls, and infrastructure-as-code (IaC). Skilled in implementing SonarQube for code quality, automating deployments, and managing hybrid cloud environments for optimal performance and security..

EDUCATION

Malla Reddy Engineering College, India   August 2019- May -2023

Bachelor of Technology Computer Science,
Relevant Courses: DBMS, Web Development, Python, Computer Networks, Java, IOT, Machine Learning.

WORK EXPERIENCE

Cloud Network Engineer   Sep 2023 - Present

Dotin Solutions & IntegerITSolutions   *Hyderabad & Illinois*

- Optimized multi-cloud infrastructure (AWS & GCP), reducing operational costs by 20% through resource right-sizing and automated scaling.
- Deployed containerized workloads with Docker & Kubernetes, improving application scalability and performance by 30%.
- Built CI/CD pipelines in Jenkins integrating Docker, Kubernetes, and SonarQube, cutting deployment time by 40% and ensuring 99% build quality compliance.
- Enhanced network security with SonicWALL Firewalls, NAT rules, DHCP, and IPsec VPN tunnels, achieving 100% uptime across 5 global office locations..
- Improved network efficiency with OSPF routing, VLANs, and VTP, boosting throughput and reducing latency by 25% across critical systems.
- Engineered hybrid connectivity between GCP and on-prem data centers, ensuring zero downtime with proactive SNMP monitoring and automated failover scripts.
- Automated infrastructure provisioning using Infrastructure as Code (Terraform & Ansible), reducing manual configuration errors by 35% and accelerating environment setup times by 50%.

Technical Lead   June 2021- Aug 2021

Codechef MREC Chapter.   *Hyderabad, India*

- Led a team of developers, assigning tasks and mitigating risks to ensure 100% on-time project delivery..
- Mentored members on coding best practices, cloud fundamentals, and DevOps pipelines, boosting team efficiency by 30%.
- Organized coding workshops and technical sessions, increasing member participation and engagement by 40%.

PROJECTS

Multi-cloud Mesh with Argo CD (AWS + GCP + On-Prem IPsec)   Aug 2025– Sep 2025

- Built a multi-cloud service mesh across AWS, GCP, and on-premises environments, secured with IPsec tunnels.
- Automated deployments and GitOps workflows using Argo CD.
- Improved deployment speed by 40% and ensuring consistent application delivery across clouds.
- GIT Repository : https://github.com/gangapurambhargav/multicloud-mesh-argo

Edge + VPS Hybrid over IPsec (On-Prem + VPS + AWS/GCP)   Mar 2025 – Sep 2025

- Engineered a hybrid cloud architecture integrating on-premises, VPS, and multi-cloud (AWS/GCP) using IPsec tunnels..
- Enabled seamless workload portability and secure, low-latency communication across distributed environments.
- Achieved 99.9% uptime for critical edge workloads through resilient, secure, and scalable network design..
- GIT Repository : https://github.com/gangapurambhargav/edge-vps-hybrid-ipsec

Multi-Cloud IPsec DevOps (AWS + GCP + On-Prem)   Jan 2025 – Mar 2025

- Designed and deployed a production-grade multicloud architecture spanning AWS, GCP, and on-premises data centers, secured with SonicWALL IPsec tunnels across 5 branch sites..
- Implemented end-to-end DevOps with containerized workloads on Kubernetes (EKS + GKE), Jenkins CI/CD pipelines, SonarQube quality gates, and automated blue/green rollouts.
- Optimized reliability and cost with active/active deployments, autoscaling, discounted compute (Spot/Preemptible), and SNMP-based monitoring with automated failover.
- GIT Repository: https://github.com/gangapurambhargav/multicloud-mesh-devops

SKILLS

Languages and Libraries :	Python, Shell Scripting, Docker, Kubernetes, Argo CD
Database Systems :	MySQL
Software and Tools:	Azure, Excel, Looker, GCP, AWS, Networking, IPSEC VPN, OSPF, VLAN, VTP,SNMP
Certifications:	MTA with Python