

KRISHNA SHARMA

+91-9409158513 krishnasharma1386@gmail.com krishna-sharma13 krishnasharma1386 krishna.sharmaorigin.co

SUMMARY

AWS Certified Solutions Architect Associate with hands-on experience in designing, deploying, and optimizing cloud solutions on AWS and GCP. Proficient in cloud migration, cost optimization, and the implementation of CI/CD pipelines. Proven ability to enhance application scalability and reduce costs.

SKILLS

Cloud: AWS, GCP, Azure
IaC: Terraform, CloudFormation
CI/CD Tools: Jenkins, Github Actions, ArgoCD, Spinnaker
Other: Python, Git/Github, Linux, Docker, Kubernetes

CERTIFICATIONS

AWS Certified Solutions Architect - Associate - [Verify](#)
Preparing for Google Cloud Certification: Cloud Architect - [Verify](#)
Data Analysis with Python: Zero to Pandas - [Verify](#)
Deep Learning with Pytorch: Zero to GANs - [Verify](#)
Google IT Automation with Python - [Verify](#)

EXPERIENCE

Blue Data Consulting

Cloud Engineer

Aug 2023 – Present

- Ensured compliance with SOC 2 and ISO 27001 security standards by configuring secure Site-to-Site VPN connections from clients' on-premises data centers to AWS Cloud, safeguarding data integrity, and enhancing secure communication.
- Led the successful migration of 7 client applications to EC2 and data backups to AWS, achieving a 25% cost saving and reducing management time by 30% through automation.
- Implemented Jenkins, Docker, and Kubernetes-based CI/CD processes, saving 10 hours per week on deployment tasks and enhancing team productivity.
- Collaborated with AI teams to Deploy AI applications across AWS, GCP, and Azure using cloud VMs, containers, and AI/ML services (Azure ML Studio, Vertex AI, SageMaker), boosting model training efficiency by 30%.

Blue Data Consulting

Cloud And Automation Engineer

Jan 2023 – April 2023

- Spearheaded cost optimization strategies across multiple AWS accounts, achieving a 30% reduction in cloud billing while upholding stringent security measures.
- Automated 15+ key business processes using Python and streamlined cloud infrastructure setup with Terraform and CloudFormation, enhancing efficiency by 50%, reducing errors by 60%, and saving 20 hours per week. Enabled the team to focus on strategic initiatives, thereby accelerating project timelines.
- Collaborated with internal teams to define cloud migration strategies, ensuring effective execution and seamless integration of cloud solutions.

Blue Data Consulting

Cloud Computing Intern

Jul 2022 – Jan 2023

- Streamlined cloud-related tasks, resulting in a 32% time saving and a 20% increase in project success rate.
- Optimized multiple AWS accounts, delivering a 35% reduction in costs and enhancing resource utilization efficiency by 45%.

PROJECT'S

Site-to-Site VPN Connection between AWS and On-Premises | Cloud Engineer

Jan 2024

GitHub Link: [GitHub Repository](#)

- Designed and implemented a secure Site-to-Site VPN connection between AWS and an on-premises network using AWS Transit Gateway (TGW) and Customer Gateway (CGW).
- Configured IPsec VPN tunnels on the on-premises router using AWS-provided configurations, ensuring secure and encrypted communication.
- Automated the setup of Transit Gateway, VPC attachments, and route tables using Terraform, reducing manual configuration time by 50%.
- Verified the VPN connection by testing connectivity between on-premises systems and AWS EC2 instances, ensuring seamless data transfer.
- Documented the entire process, including troubleshooting steps for common issues such as tunnel downtime and routing failures.

AWS CI/CD Pipeline | Cloud Engineer

Nov 2023

GitHub Link: [GitHub Repository](#)

- Established IAM roles with specific permissions for EC2 and CodeDeploy, integrating policies for secure resource access and management.
- Configured a CI/CD pipeline utilizing AWS CodePipeline, CodeBuild, and CodeDeploy, streamlining deployment processes from GitHub repository to EC2 instances via S3.
- Deployed an EC2 instance with automated provisioning scripts and integrated security measures, facilitating continuous integration and deployment of web applications.

DevSecOps Pipeline with Monitoring | Cloud Engineer

Jan 2024

GitHub Link: [GitHub Repository](#)

- Configured an automated CI/CD pipeline using Jenkins, Docker, incorporating Trivy, SonarQube, and OWASP Dependency-Check for comprehensive security analysis and vulnerability scanning.
- Deployed SonarQube and integrated GitHub and SonarQube webhooks for real-time code quality feedback. Implemented continuous monitoring using Prometheus for metrics collection and Grafana for visualization.
- Streamlined the deployment of a Dockerized React application to Kubernetes, leveraging Jenkins for continuous integration and Minikube for local Kubernetes orchestration, enhancing deployment speed, reliability, and visibility through integrated monitoring.

Three-Tier Architecture Deployment | Cloud Engineer

Aug 2023

GitHub Link: [GitHub Repository](#)

- Engineered a comprehensive three-tier architecture using AWS services, including VPC, Elastic Load Balancer, and Auto Scaling Groups for scalable and secure application deployment.
- Configured network infrastructure with 2 public and 2 private subnets, Internet Gateway, NAT Gateway, and a bastion host for secure SSH access to private instances.
- Automated resource management and scaling with CloudFormation scripts, reducing setup time and enhancing operational efficiency.

EDUCATION

VNSGU

Bachelor of Commerce

2018 – 2021