Praneeth Mikkilineni

Fairfax,VA | 678 936 8443 | mpraneeth610@gmail.com | LinkedIn | Portfolio | Github | Medium

SUMMARY

Junior Cloud Consultant with over 1 year of experience in designing scalable AWS architectures, automating CI/CD pipelines, and optimizing deployments using Terraform, Docker, and Kubernetes. Skilled in implementing GitO ps workflows, cost-saving automation with AWS Lambda, and multi-node deployments with Ansible. Certified AWS Solutions Architect Associate with expertise in cloud-native and DevOps solutions.

SKILLS

Programming & Scripting	:	Python, Java, JavaScript, HTML, CSS, Bash/Shell
Operating Systems	:	Windows, Linux (kali, ubuntu), Mac OS
DevOps	:	AWS, Microsoft Azure, Google Cloud, Terraform, CI/CD, Docker, Kubernetes, Jenkins, GitLab, Argo CD, Ansible, GitHub Actions, Prometheus, Grafana
Tools	:	AWS, Microsoft Azure, Google Cloud, Terraform, CI/CD, Docker, Kubernetes, Jenkins, GitLab, Argo CD, Ansible, GitHub Actions, Prometheus, Grafana

EXPERIENCE

Junior Cloud Consultant, Nextel Meta Private Limited, Hyderabad, India   **Sep 21 - Aug 22**
- Performed the migration of **AWS** resources to **Terraform** for streamlined provisioning and infrastructure management.
- Collaborated with senior consultants to design AWS cloud architectures, enhancing the scalability and reliability of e-learning services, resulting in a 35% increase in user capacity.
- Developed and managed **Docker** containers to streamline development, testing, and deployment, reducing environment inconsistencies by 90% and cutting deployment time by 40%.
- Streamlined **CI/CD** pipelines using **Jenkins/GitLab CI** for automated builds, testing, and deployment processes in improving software delivery speed and quality.
- Improved **Kubernetes**-based deployments by integrating **ArgoCD** for **GitOps** workflows and managing containerized applications on **Amazon EKS**, ensuring scalable, automated, and reliable application delivery.
- Executed deployment strategies, including **Blue-Green Deployments**, **Rolling Updates**, and **Canary Releases**, to ensure zero-downtime and efficient application delivery in cloud and containerized environments, which improved deployment success rate by 52%.

PROJECTS

End-to-End CI/CD Pipeline for Spring Boot Application | Github
- Designed and implemented a CI/CD pipeline for a Spring Boot application using Jenkins, Maven, SonarQube, Docker, and Argo CD, reducing deployment time by 50% and enhancing code quality by 30% through automated builds, static code analysis, and containerization.
- Minimized manual intervention by 40% by automating deployment processes with Argo CD and Jenkins, streamlining software delivery, and ensuring consistent, reliable deployments in a Kubernetes cluster.

Automated Multi-Node Deployment of Web App Using Ansible and Terraform | Github
- Designed and implemented an automated deployment pipeline using Ansible and Terraform, ensuring repeatable and scalable web app deployments across multiple AWS EC2 instances.
- Developed an Ansible playbook and roles to configure and deploy the web application, resulting in seamless deployment across all managed nodes and a highly available web app accessible via the public IP addresses of the EC2 instances.

Game Deployment on AWS EKS with Kubernetes Ingress | Blog
- Deployed a real-time 2048 game application on AWS EKS, ensuring high availability and scalability by utilizing Kubernetes Ingress and the AWS Application Load Balancer (ALB) Ingress Controller.
- Implemented IAM roles and policies to securely enable communication between the ALB Ingress Controller and AWS services, showcasing advanced AWS and Kubernetes orchestration skills.

CERTIFICATIONS

- AWS "**Certified Solutions Architect**" Associate – Amazon Web Services (AWS).
- AWS "**Certified Cloud Practitioner**" Fundamental – Amazon Web Services (AWS).
- NASSCOM Certification for "**Security Analyst (SSC/Q0901)**" National Skill Qualifications Framework Level 7.

EDUCATION

Masters in Computer & Information Sciences | George Mason University	**May 24**
Bachelors of Technology in Computer Science | Vellore Institute of Technology	**May 22**