

# Praneeth Mikkilineni

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## SUMMARY

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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 GitOps 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.

## EDUCATION

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<b>George Mason University</b> , Fairfax, Virginia, USA,	<b>May 24</b>
Masters in Computer and Information Sciences	3.67/4
<b>Vellore Institute of Technology</b> , Amaravati, Andhra Pradesh, India,	<b>May 22</b>
Bachelor of Technology in Computer Science	8.52/10

## EXPERIENCE

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**Junior Cloud Consultant, Nextel Meta Private Limited**, Hyderabad, India **Sep 21 - Aug 21**

- 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 to improve 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 50%.

## SKILLS

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- **Programming Languages & 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:** Git, GitHub, Docker Hub, Jira, Confluence, Microsoft Office Suite, Ansible Galaxy, WordPress, SonarQube

## PROJECTS

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### 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

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- 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.