

SUDHAKAR P

DevOps and Cloud Engineer

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PROFILE SUMMARY

Motivated DevOps and Cloud Engineer with experience gained through a 2 months internship at TheTechHorse. Worked extensively with cloud platforms like AWS and Azure. Gain proficiency in utilizing key DevOps tools such as Git, Ansible, Docker, Jenkins, Terraform, Kubernetes, Grafana, and Prometheus.

PROFESSIONAL EXPERIENCE

- **TheTechHorse: Best Digital Solution Company** (DevOps Intern) (Nov, 24 – Jan 25)
Learned and Cloud and DevOps tools like AWS, Git, GitHub Action, Ansible, Docker, Jenkins and Kubernetes

SKILLS

- **Cloud Computing:** AWS (EC2, S3, RDS, IAM, CloudTrail, CloudWatch, Route 53, Lambda).
- **DevOps Tools:** Git, GitHub, Docker, Kubernetes, Jenkins, Linux, Ansible, CI/CD, AWS EKS.
- **Security & Compliance:** HTTPS, SSL/TLS Configuration, Security Group Management.
- **Scripting & Automation:** Python (Basics), Shell Scripting.
- **Networking:** TCP/IP, DNS, HTTP, SSL/TLS.
- **Soft Skills:** Stress Management, Proactive Mindset, Attention to Detail, Problem-Solving .

EDUCATION

- **Karpagam Academy of Higher Education** (CGPA:7.46) (2020-2023)
(BSC - Computer Science)

PROJECTS

Netflix Management System Clone (CI/CD with DevOps Tools) :

- Developed a Netflix Management System Clone using DevOps methodologies.
- Version Control: Used GitHub to manage source code.
- CI/CD Pipeline: Configured Jenkins for automated builds and deployments.
- Containerization: Created and managed Docker images for application components.
- Orchestration: Deployed the application on Kubernetes, ensuring automated scaling and rolling updates.
- Achieved a robust, end-to-end CI/CD pipeline with fully containerized deployment.

Hosting a Static Website on AWS :

- Implemented a static website using Amazon S3 for storage and EC2 for web hosting.
- Stored and served static content (HTML, CSS, JavaScript) from S3.
- Configured EC2 instances to fetch and serve these files securely.
- Ensured efficient content delivery with proper IAM roles and bucket policies.

AWS Bastion Host for Secure SSH Access :

- Deployed an AWS Bastion Host within a VPC to manage secure SSH access to private instances.
- Configured security groups to allow SSH access only from trusted IP addresses.
- Ensured controlled access by placing the Bastion Host in a public subnet while keeping private instances in private subnets.
- Enhanced security by restricting inbound traffic to essential ports and instances only.

COURSE WORK AND CERTIFICATIONS

- **Certification in LINUX** :Besant Technologies
- **Certification in AWS** :Besant Technologies
- **Certification in DevOps** :Besant Technologies
- **AWS DevOps Training and Certification:** TheTechHorse: Best Digital Solution Company