

SANTHOSH RAJ V

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OBJECTIVE

Enthusiastic AWS Cloud & DevOps Engineer with hands-on experience in cloud deployment, automation, and CI/CD tools. Skilled in building and managing scalable AWS infrastructures using modern DevOps practices. AWS Certified Cloud Practitioner, eager to contribute to innovative and cloud-driven environments.

EDUCATION

Bachelor of Computer Applications(**BCA**)

2022- 2025

DRBCCC Hindu College, Pattabiram, Chennai.

TECHNICAL SKILLS

Cloud & DevOps: AWS (EC2, S3, IAM, VPC, RDS,), Docker, Terraform, Jenkins

Version Control & Tools: Git, GitHub, VS Code, CLI, SSH, PuTTY, WinSCP

Networking: LAN/WAN setup, IP configuration, Network troubleshooting

Programming & Web: Python, HTML, CSS

Database: MySQL

Operating Systems: Linux (Ubuntu, Amazon Linux), Windows

PROJECTS

Scalable Exam Result Web Application – AWS (3-Tier Architecture)

- Designed and deployed a secure 3-tier web application using Flask backend, NGINX as web tier, and RDS MySQL as the database layer.
- Configured a custom VPC with public/private subnets, NAT Gateway, and Security Groups for secure communication.
- Implemented ALB with HTTPS via ACM and integrated Route 53 for DNS management, ensuring reliable domain routing and high availability.
- Optimized network routing and storage configuration, improving application performance and reducing latency.

Github: <https://github.com/vsanthoshraj/3-tier-exam-result-website>

Automated News Website Deployment – Jenkins CI/CD Pipeline

- Built and containerized a scalable Node.js news website, integrating GitHub for source control and automating CI/CD pipelines with Jenkins, SonarQube, and Docker.
- Provisioned and managed secure AWS cloud infrastructure using Terraform, including EC2 instances and network configuration for seamless deployments.
- Implemented secure environment variables and API key management to protect sensitive information across the deployment pipeline.
- Configured GitHub webhooks to trigger Jenkins pipelines on source code changes, enabling automatic updates of the live website without manual intervention.
- Enhanced pipeline reliability by adding email notifications for build failures, improving incident response time and cutting manual deployments by more than 70%.

Github: <https://github.com/vsanthoshraj/jenkins-CICD-News-Website-Deployment.git>

CERTIFICATION COURSES

- AWS Certified Cloud Practitioner (CLF-C02)
- AWS re/Start Program – TNSDC & Cultus Education
- Linux in Udemy
- Python in GUVI HCL
- Computer Hardware and Networking