

Bhanuprasadh Santra

LinkedIn GitHub Portfolio bhanuprasadh004@gmail.com 9701152083 Andhra Pradesh, India

PROFILE

DevOps and Cloud Engineer with hands-on experience in designing and implementing scalable cloud infrastructure, CI/CD pipelines, and Kubernetes clusters. Proficient in AWS, Docker, Terraform, and Jenkins, with a strong focus on automation, monitoring, and cost optimization. Passionate about building efficient, secure, and reliable systems.

EDUCATION

Bachelor of Technology - Computer Science (CGPA: 7.68),

2021 – 2025 | India

Kakinada Institute of Engineering and Technology

- Relevant Courses:** Networking, Operating Systems, Data Structures, Analysis of Algorithms, Databases

SKILLS

Languages — Python 3, Go, JavaScript, SQL, Bash, YAML, JSON

DevOps — Docker, Kubernetes, Helm, Terraform, Ansible, ArgoCD, GitOps

CI/CD — GitLab CI/CD, GitHub Actions, Jenkins

Cloud Platforms — AWS (EC2, S3, Lambda, RDS, EKS), Azure (VM, Functions, AKS)

Databases — MySQL, PostgreSQL, MongoDB, DynamoDB, Cloud SQL

Monitoring & Logging — Prometheus, Grafana, ELK Stack, CloudWatch

Version Control & Tools — Git/GitHub, GitLab, Bitbucket, Vagrant, Pieces, Wrap

EXPERIENCE

AICTE, Networking Cloud Intern - Remote

Dec 2024 – present

- Designed and implemented cloud networking solutions using Docker, Kubernetes, Terraform, and Ansible, improving deployment efficiency by 30%.
- Optimized CI/CD pipelines with Jenkins and GitHub Actions, reducing deployment time by 40% and ensuring reliable software releases.
- Deployed and maintained applications on AWS, improving system reliability by integrating Prometheus and Grafana for monitoring.
- Utilized the ELK Stack for real-time logging and analytics, reducing troubleshooting time by 25%.
- Collaborated with cross-functional teams to implement scalable, automated solutions, enhancing operational performance.

PROJECTS

Serverless Application with Event-Driven Architecture

- Developed a serverless application using AWS Lambda and API Gateway, reducing infrastructure costs by 60%.
- Designed an event-driven architecture with SQS and SNS, enabling seamless communication between microservices.
- Optimized performance and cost by implementing monitoring with CloudWatch and X-Ray, achieving 95% efficiency.

Kubernetes Cluster with Advanced Monitoring and Security

- Deployed and managed a Kubernetes cluster (EKS) for a multi-tier application, improving scalability and resource utilization.
- Implemented RBAC, network policies, and secrets management, ensuring compliance with industry security standards.
- Integrated Prometheus and Grafana for real-time monitoring, reducing incident response time by 30%.

End-to-End CI/CD Pipeline for Microservices Application

- Designed and implemented a fully automated CI/CD pipeline using Jenkins, Docker, and Kubernetes, reducing deployment time by 40%.
- Integrated infrastructure as code (Terraform) to provision cloud resources, ensuring consistent and scalable environments across AWS.
- Set up monitoring and logging with Prometheus and Grafana, achieving 99.9% application uptime and faster issue resolution.

CERTIFICATIONS

Kubernetes Operators Intermediate, Cognitive Class

Dec 2024

Jenkins (LFS167x), Linux Foundation

Aug 2024

Red Hat Ansible Automation (RH094x), RedHat

Aug 2024

ADDITIONAL INFORMATION

- Soft Skills:** Team collaboration, problem-solving, effective communication.
- Interests:** Open-source contributions, tech blogging, participating in hackathons.