



NIRANJAN ANNAVARAPU

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DevOps Engineering | Cloud Infrastructure | CI/CD Automation

□ PROFILE SYNOPSIS

DevOps Engineer with 1.3 years of hands-on experience in deploying, managing, and monitoring production-grade applications such as Holcim, DS Edify and DS Jobby on AWS using services like App Runner, EC2, PostgreSQL RDS, and CloudWatch. Proficient in building and managing scalable cloud infrastructure with core AWS services including VPC, ALB, RDS, and ECR. Experienced in implementing and automating CI/CD pipelines using Jenkins and GitHub Actions to streamline the software development lifecycle. Skilled in basic Kubernetes setup and database management with PostgreSQL. Strong knowledge of networking fundamentals including VPC design, subnetting, and traffic management via load balancers. Focused on enabling high availability, performance monitoring, and infrastructure-as-code practices to drive efficient, secure, and automated DevOps workflows.

- ✓ Currently managing multi-cloud DevOps deployments across AWS and GCP, optimizing infrastructure performance, ensuring high availability, and driving CI/CD automation for enterprise-scale applications.
- ✓ Successfully led containerization and automation initiatives, enabling seamless delivery of microservices through Docker, GitLab CI/CD, and infrastructure-as-code practices.
- ✓ A hands-on DevOps engineer, proficient in implementing scalable, secure environments using EC2, Cloud Run, and RDS, while aligning infrastructure design with agile development goals.

Key skills

▪ AWS	▪ App Runner	▪ EC2	▪ CloudWatch	▪ Docker
▪ Bash	▪ GitLab	▪ Git	▪ GitHub Actions	▪ Jenkins
▪ Terraform	▪ Python	▪ Maven	▪ Kubernetes	▪ VPC
▪ Subnets	▪ Load Balancers	▪ Firewall Rules	▪ S3	▪ RDS
▪ GCP	▪ Compute Engine	▪ Cloud Run	▪ App Engine	▪ Cloud SQL
▪ Cloud Storage	▪ IAM	▪ Service Account	▪ IDP	

□ PROFESSIONAL EXPERIENCE

Dyashin TechnnoSoft pvt.Ltd

DevOps Engineer | July. 2024 - Present



Key Responsibilities:

- Gained 1.3 years hands-on experience in managing end-to-end DevOps operations across AWS and GCP, including infrastructure automation, CI/CD pipeline optimization, and containerized deployment
- Manage multi-cloud infrastructure across AWS and GCP, ensuring secure, scalable, and highly available deployments.
- Automate CI/CD pipelines using GitLab, GitHub Actions, and Jenkins to streamline software delivery.
- Containerize applications using Docker and manage deployments via AWS ECR, App Runner, and EC2.

Key Achievements:

- Built 1.3 years of proven experience in delivering secure and scalable multi-cloud DevOps solutions through automation and CI/CD excellence.
- Managed GCP infrastructure using Cloud Run, App Engine, Cloud SQL, and Cloud Storage for scalable deployments, automated GitLab CI/CD pipelines and enforced IAM-based access control for secure delivery.
- Managed cloud infrastructure for DS Edify and DS Jobby on AWS, handling staging and production environments with services like EC2, AppRunner, and EC2, enabling flexible and scalable compute across environment.
- Containerized applications with Docker and managed deployments using AWS ECR, App Runner, and EC2, enabling flexible and scalable compute across environments.
- Automated CI/CD pipelines using GitLab on GCP for the Holcim project, optimizing the software delivery lifecycle from build to deployment across development and production stages.

PROJECTS

DS Edify - AWS-based Scalable Learning Platform

Key Responsibilities / Achievements:

- Deployed and managed staging and production environments using AWS services like EC2, App Runner, RDS, S3, ALB, and Route 53.
- Configured VPC, NAT Gateway, and Security Groups for secure, high-performance networking.
- Docker Set up CloudWatch monitoring for proactive issue detection and performance optimization.
- Set Handled Docker image management with ECR, ensuring smooth deployments across environments.
- Served static assets using S3 buckets and implemented load balancing through ALB and Target Groups.

Key Responsibilities / Achievements:

- Provisioned and **managed GCP infrastructure** for development and production environments using Cloud Run, App Engine, Cloud SQL, and Cloud Storage to deploy and scale enterprise applications.
- **Automated CI/CD pipelines** with GitLab, streamlining the build, test, and deployment processes for faster and more reliable delivery.
- Implemented secure access control through IAM roles and service accounts, ensuring compliance and minimizing downtime across environments.

DS Jobby - Dockerized Microservice Dev Setup

Key Responsibilities / Achievements:

- Led the local development and **Dockerization** of a job portal application under the DS product line.
- Managed container images using AWS ECR and prepped for future deployment via **App Runner and EC2**.
- Focused on modular development, security hardening, and infrastructure readiness.
- Configured isolated **VPC** and **IAM roles** for secure cloud interaction.

AWS EC2 and VPC Setup

Key Responsibilities / Achievements

- Configured secure **AWS EC2 instances** within a custom VPC, establishing security groups and **inbound/outbound rules**.
- Deployed a web server on EC2 to demonstrate basic AWS management skills.
- Designed a scalable and **fault-tolerant architecture** by implementing auto-scaling groups and load balancers.
- Configured CloudWatch metrics and alarms to monitor EC2 instance performance.

Dockerized Web Application Setup

Key Responsibilities / Achievements:

- Deployed Built and deployed a Docker container for a sample web application.
- **Configured Docker networking** to enable seamless communication between containers, ensuring the application.
- Deployed and maintained the application using Docker, optimizing its environment for real-time detection and interaction.
- a web server on EC2 to demonstrate **basic AWS management skills**.

E D U C A T I O N A N D C R E D E N T I A L S

Bachelors Of technology in Computer Science and Engineering | Raghu Engineering College 2024

Polytechnic in CME | Nuzvid Polytrchnic 2021

Certifications s Memberships

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| ➤ <u>certifications</u> | ✓ AWS Educate Getting Started with Cloud Ops |
| ✓ AWS Academy Graduate - AWS Academy Cloud Foundations | ✓ AWS Educate Getting Started with Security |
| ✓ GitHub Foundations | |

❖ I hereby confirm that all the information provided above is true to the best of my knowledge.

Niranjan Rao A