KOLLURI NIKHIL

DevOps Engineer

- 📞 +91 9182773929
- 🔗 https://github.com/Knikhil14
- @ Kollurinikhil468@gmail.com
- 📍 Hyderabad, IN
- 🔗 www.linkedin.com/in/kolluri-nikhil

SUMMARY

Experienced DevOps Engineer with nearly 2.8+ years of specialization in scalable infrastructure on AWS and GCP. I am proficient in automating CI/CD pipelines, deploying containerized applications, and optimizing cloud environments.

I am skilled in AWS services (EC2, VPC, S3, IAM), Docker, Kubernetes, and Jenkins. I have experience with React app deployments, CI/CD workflows with Cloud Build, and artifact management with Container Registry. I integrated SonarCloud with AWS CodePipeline to enhance code quality and automate deployments.

EDUCATION

Electronic and communication Engineering

CMR Engineering College

📅 2017 - 2021   📍 Hyderabad, IN

PROJECTS

Project 1 : AWS Infrastructure Management

📅 09/2021 - 04/2023   📍 Hyderabad

Role: DevOps Engineer

- **AWS Services**: Utilized EC2, VPC, S3, IAM, SNS, CloudWatch, EBS, and Elastic Load Balancer for scalable infrastructure deployment.
- **Version Control**: Administered Git, managing repositories, branching, tagging, and training users.
- **Docker & Kubernetes**: Wrote Docker files, built images, configured containers, and deployed to Kubernetes clusters.
- **CI/CD**: Installed and managed Jenkins for automating CI/CD pipelines.
- **Infrastructure**: Provided infrastructure for production environments, including load balancers, web servers, and database servers.

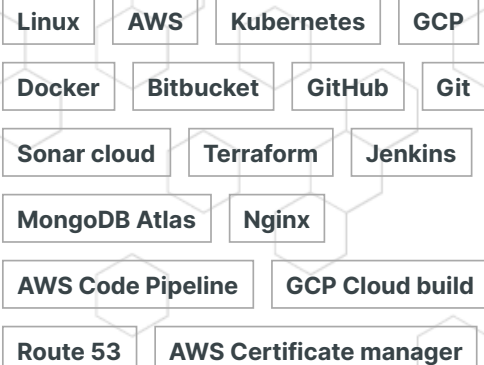### Project 2: Electron + React App Build with GCP DevOps

📅 06/2023 - Present   📍 Kerala

Role: DevOps Engineer

- **GCP Setup**: Led the setup of Electron + React applications in GCP, managing new projects, and selecting optimal regions.
- **IAM Configuration**: Configured service accounts in IAM, assigning necessary roles for CI/CD tasks.
- **Version Control**: Integrated Cloud Source Repositories and external repositories like GitHub.
- **Automated Builds**: Utilized Cloud Build for automated builds, setting up triggers and monitoring workflows.
- **Artifact Management**: Managed artifact and container images in Artifact Registry/Container Registry for version control and deployment.
- **Application Deployment**: Deployed applications using Cloud Run, conducted testing, and validated deployments.
- **Collaboration**: Worked with team members to optimize application performance and development processes using GCP services.

SKILLS

Tools

Linux   AWS   Kubernetes   GCP

Docker   Bitbucket   GitHub   Git

Sonar cloud   Terraform   Jenkins

MongoDB Atlas   Nginx

AWS Code Pipeline   GCP Cloud build

Route 53   AWS Certificate manager

EXPERIENCE

DevOps Engineer

Gray Cube Software Solutions Pvt. Ltd.

📅 09/2021 - 04/2023   📍 Hyderabad

- Managed AWS services including EC2, VPC, S3, IAM, and Elastic Load Balancer.
- Administered Git version control, including repository management and user training.
- Deployed and monitored infrastructure on AWS.Wrote Docker files, built images, and deployed containers on Kubernetes clusters.
- Installed and maintained Jenkins for CI/CD pipeline automation.

DevOps Engineer

Poornam Info Vision Pvt. Ltd. (Bobcares)

📅 Present   📍 Kerala

🔗 https://bobcares.com/

- Led the setup and deployment of Electron + React applications in Google Cloud Platform (GCP).
- Configured CI/CD pipelines using AWS CodePipeline and AWS CodeBuild.
- Managed Docker containers, Kubernetes clusters, and MongoDB Atlas.
- Integrated SonarCloud with AWS CodePipeline for code quality analysis.
- Managed cloud environments, including automation, monitoring, and backups.

LANGUAGES

English
Native
●●●●●

Telugu
Native
●●●●●

PROJECTS

Project 3: DevOps Setup and Maintenance/Optimization

📅 06/2023 - Present 📍 Kerala

Role: DevOps Engineer

- **Code Quality Integration**: Integrated SonarCloud with AWS CodePipeline for code review and quality analysis, ensuring secure integration.
- **CI/CD Pipeline Configuration**: Configured CI/CD pipelines using AWS CodePipeline and AWS CodeBuild for automated builds, tests, and deployments.
- **AWS Cloud Management**: Managed AWS environments, including automation, monitoring, metrics, and backups, ensuring 100% uptime.
- **Docker & GitHub Management**: Developed Dockerfiles, managed GitHub repositories, and handled automated deployments.
- **Microservices Management**: Managed microservice applications across Dev, Pre-prod, and Production environments in AWS.
- **Web Servers Configuration**: Configured Nginx and Nginx reverse proxy for web servers.**Database Management**: Worked with MongoDB Atlas, configuring it with microservices in AWS.
- **Security & Networking**: Created SSL certificates for load balancers, managed security groups, snapshots, volumes, and VPC.
- **DNS Management**: Configured Route 53 for domain management and ensured DNS resolution.
- **Monitoring & Logging**: Created CloudWatch log groups, installed agents on servers for data fetching, and monitored logs for troubleshooting.
- **Storage & Backup**: Configured S3 buckets with load balancers and EC2 instances, ensuring data redundancy and backup.
- **Content Security & CORS**: Implemented Content Security Policy (CSP) and Cross-Origin Resource Sharing (CORS) for web applications.
- **Performance Optimization**: Evaluated and optimized the performance of the CI/CD pipeline, reducing build and deployment times by 30%.
- **Collaboration & Documentation**: Worked closely with development teams to streamline DevOps processes and maintained comprehensive documentation for future reference.

LANGUAGES

Hindi
Proficient

● ● ● ● ○

TRAINING / COURSES

AWS Cloud Practitioner
KodeKloud, 2023

- -

Introduction to Cyber Security
SkillUp, 2021

- -

GIT for Beginners
KodeKloud, 2021

- -

Cisco Certified Network Associate Routing and Switching (CCNA)
Cisco, 2020