

NITHIYARASAN B

AWS & DEVOPS ENGINEER

8668065403 | nithiyarasanb@gmail.com

OBJECTIVE

- Experienced and highly skilled AWS & DevOps Engineer with a proven track record of success over a 2-year career. automating and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes. Implementing cloud strategy in various environments.

KEY SKILLS

- **Operating System:** Linux, Ubuntu, Windows Server 2008/2012
- **Configuration Management Tools:** Ansible, Terraform, Salt Stack, Cloud Formation
- **Containerization:** Docker, Kubernetes
- **CI/CD:** Jenkins
- **Source Code Management:** Git
- **Build tools:** Maven
- **Deployment Tools/ Servers:** JBOSS, Apache, Tomcat
- **Public Cloud:** Amazon Web Services
- **Atlassian tools:** JIRA
- **Repository Tools:** Nexus Artifactory, Docker Hub, Git
- **Code Quality tool:** Sonarqube
- **Scripting:** Python
- **Security tools:** IAM, ACM
- **Monitoring/Logging tools:** Splunk, Prometheus, Cloud Watch

EXPERIENCE

iTMDev Technologies | Chennai, India | 2022 April – Present

Project 1: Flatiron Health

- Design and manage end-to-end AWS architecture, including EC2 instances, snapshots, and server migration.
- Create IAM roles for secure service-to-service communication.
- Utilize ELB and auto-scaling (ASG) to address server downtime.
- Monitor instances with CloudWatch, rectify issues using CloudTrail logs.
- Implement serverless architecture with Lambda.
- Utilize Route53 for domain registrations and DNS routing.
- Build CI/CD pipelines using AWS CD/CP for automated application release.
- Manage Windows, Linux, and Ubuntu environments.
- Utilize Splunk for log generation, monitor server metrics with Prometheus and Grafana.
- Create and deploy Docker containers, manage Docker

networks, volumes, and backups.

- Use Terraform for building AWS 3-tier architecture, Ansible for configuration management. Optimize CI/CD build and deploy jobs with Jenkins.

Project 2: HONG LEONG FINANCE

- Expertise in attaching and detaching EBS volumes, mounting servers using EFS.
- Implement IAM user groups, policies, and multi-factor authentication (MFA) for enhanced security.
- Configure messaging services like SNS and SQS for efficient communication.
- Manage S3 for storing key pairs and confidential files, utilize KMS for protection.
- Configure RDS and DynamoDB for 3-tier architecture databases.
- Implement VPC private architecture, use CloudFront for content delivery.
- Integrate AWS ECR with ECS for container image management.
- Use GIT/GitHub for version control, GitHub Actions for deployment.
- Manage Docker orchestration and containerization using Kubernetes.
- Write Ansible playbooks and roles, manage vault for required images.
- Utilize Sonatype Nexus repositories for managing artifacts and dependencies.
- Automate build processes using Apache Maven Project management tool POM file.

EDUCATION

- **BE – Mechanical Engineering | ANJALI AMMAL MAHALINGAM ENGINEERING COLLEGE | 2022**

DECLARATION

I affirm that the information provided herein is accurate and true to the best of my knowledge and belief.