

# Ashish Mewal

Software Engineer

3.8+ years of Experience

Cloud • Devops • AWS

## OVERVIEW

To contribute to the success of an organization by leveraging my expertise in AWS Cloud, DevOps, and automation to design and implement scalable, reliable, and secure infrastructure solutions. Committed to driving operational excellence through proactive monitoring, troubleshooting, and innovative problem-solving

- AWS Certified Solution Architect with around 4 years of experience in designing scalable, reliable, cost efficient, and secure multi-tier infrastructure solutions on Amazon Web Services (AWS). Expertise in services like EC2, VPC, EBS, IAM, S3, RDS, SNS, SQS, Cloud Watch, Route 53, DynamoDB, Cloud Front, ELB, ASG.
- DevOps Proficiency in implementing CI/CD pipelines using Jenkins and Git, containerization with Docker, and infrastructure automation with Terraform, ensuring seamless deployments and operational efficiency.
- Skilled in Cloud Monitoring and Troubleshooting using CloudWatch, X-Ray, and Log Insights to investigate alarms triggered by metrics such as response time, Lambda/database throttling, and 4XX/5XX errors. Adept at managing load balancers (ALB/NLB) and optimizing application performance in multi-region environments.
- Hands-on experience automating workflows for alarm investigation and operational monitoring, leveraging AppSync, EventBridge, and serverless solutions like Lambda, while ensuring SLA compliance and application reliability.

## SKILLS

### AWS

(4/5)

### Devops

(4/5)

### Certification

Aws Solution Architect  
Associate

### Technologies

AWS/Cloud

GoCD

Jenkins

Docker

Kubernetes

Helm

Terraform

Git/Github

Bit-Bucket

## LANGUAGES

English

Hindi

Marathi



## EDUCATION & TRAINING

2021

Bachelor of Technology

Csmss Chh Shahu College Of Engineering

2017

Maharashtra State Board HSC

Bhaskaracharya Jr College, Aurangabad

2015

Maharashtra State Board HSC

Shishu Vihar High School, Aurangabad

## PROJECTS

### 1. Origin Energy | Aug 2021 – Feb 2024

- Providing Security, Creating Servers, Distributing Load, Scaling Servers, Storage, Creating Databases, Creating Network, Enabling Notifications, Monitoring, SharePoint support, etc.

Tools & Technologies

AWS, Tableau, Linux

Team Size

4

Role

Aws Cloud Engineer

Responsibilities & Achievements:

- Creating & launching instances in different availability zones, attach/detach ELB,
- Create and restore backups of EC2 instances using AMI, Setup/ Managing Linux and windows servers on AWS.
- Environment setup in AWS including VPC, Security Groups, Sub-nets Assigning & creating security groups as per environment.
- Configuring S3 bucket storage, Creating and updating IAM policies as per requirement Taking snapshots of volumes as backup & restore them, Configuring & Monitoring EC2 matrices using Cloud Watch.

## PERSONAL DETAILS

DOB

Jun 29, 2000

Gender

Male

Nationality

Indian

Marital Status

Un Married

Email ID

ashish.mewal@infobeans.com

Contact Number

+91 8208455713



- Creating Highly Available Environments using Auto-Scaling, Load Balancers, Setup/Managing Databases on Amazon RDS, Monitoring servers and databases through Amazon Cloud Watch

## 2.Nutanix | Feb 2024 – Nov 2024

- Manage Git version control and Github for repository and code review. configured Jenkins for CI/CD pipelines, automated builds, test, and deployments. used Docker for containerization and deployment orchestration. Implemented monitoring and ensured efficient pipeline operations. Handled server creation, scaling, and storage.

### Tools & Technologies

Git, Github, Docker, CI/CD, Jenkins, Ansible, Terraform, AWS, Linux

### Team Size

3

### Role

Devops Engineer

### Responsibilities & Achievements

- Proficient in using Git for source code management, including branching, merging, and pull requests, and experienced with GitHub for repository management, code reviews, and issue tracking
- Adept at configuring Jenkins pipelines for continuous integration and deployment, and knowledgeable in designing and managing CI/CD pipelines to automate build, test, and deployment processes.
- Skilled in using Docker for containerization, including creating Dockerfiles, managing container images, and orchestrating container deployments with Docker Compose, which enhances application deployment consistency and scalability.
- Familiar with Terraform for provisioning infrastructure as code, enabling efficient, repeatable cloud environment setups, and Ansible for automating configuration management and deployment tasks across environments.



- Experienced with monitoring tools and practices to ensure the health and efficiency of deployment pipelines. .

### 3.Totogil Nov 2024 – Jan 2025

- Investigated and resolved alarms for response time, database throttling, and 4XX/5XX errors. Monitored and optimized AppSync APIs, EventBridge integrations, and load balancers (ALB/NLB). Used X-Ray for trace analysis, Log Insights for log troubleshooting, and Lambda for automation. Managed multi-region dashboards, ensured SLA compliance, and automated alarm workflows

#### Tools & Technologies

AWS CloudWatch, X-Ray, Lambda, DynamoDB, AppSync, Neptune, EC2, ALB, NLB, ASG, S3, Event Bridge.

#### Team Size

3

#### Role

Aws Engineer

#### Responsibilities & Achievements

- Monitored CloudWatch alarms triggered for application services hosted in multi-region environments (us-east-1 and ap-southeast-1), including ALB, NLB, Lambda, DynamoDB, and AppSync.
- Investigated alarm triggers by analyzing CloudWatch metrics, filtering time-specific logs, and identifying spikes or unusual behavior.
- Utilized AWS X-Ray Traces to perform root cause analysis for latency issues in segments. Troubleshoot logs using Log Insights, creating queries to isolate errors like TransactionCancellationException, Lambda throttling, and provider-related mismatches management and deployment tasks across environments.
- Diagnosed database throttling issues by analyzing DynamoDB metrics and identifying key spikes or inconsistencies.
- Managed and optimized load balancers (ALB/NLB) by monitoring target group health, unhealthy host counts, and response time metrics to maintain high availability and performance.



- Performed cross-service monitoring for integrated solutions using EventBridge, AppSync, and Lambda to ensure application reliability and operational excellence.
- Automated routine investigation workflows and reports for CloudWatch alarms to streamline operations and improve efficiency in SLA-bound responses Investigated potential false alarms caused by temporary spikes, deployment activities, misconfigurations. Verified ongoing deployments in GitHub Actions to ensure alarm validity.

#### 4.Axiad | Feb 2025 – Mar 2025

- Designed and automated CI/CD pipelines using GoCD, Kubernetes, and AWS for deployment, backup/recovery, and infrastructure provisioning. Developed GoCD pipelines for Chef cookbook execution, automated AMI creation via EC2 Image Builder, and implemented Kubernetes-based backup/restore processes using Helm and ConfigMaps. Integrated AWS services like Secrets Manager, S3, CloudFormation, and Bitbucket to streamline deployments and infrastructure updates.

#### Tools & Technologies

GoCD, Kubernetes, Helm, Docker, AWS EC2, AMI, S3, Secrets Manager, CloudFormation, Bitbucket, Python, Bash, Chef, Minikube

#### Team Size

3

#### Role

AWS/Devops Engineer

#### Responsibilities & Achievements

- GoCD & Kubernetes CI/CD: Installed and configured GoCD Server & Agents locally using Docker, Minikube, and Helm for pipeline automation.
- Chef Deployment Pipeline: Built GoCD pipelines to execute Chef cookbooks for AWS EC2 instances, ensuring automated configuration management.
- Kubernetes-based Backup & Restore: Designed Kubernetes ConfigMaps & Helm charts to dynamically mount post-backup and restore scripts into GoCD containers.



- Automated Restore Execution: Developed Kubernetes Jobs for automated restore tasks, ensuring one-time execution and cleanup.
- Backup to S3: Implemented post-backup scripts to upload GoCD server backups to AWS S3 for disaster recovery.
- AMI Creation & Image Builder: Automated Golden AMI creation using EC2 Image Builder pipelines and CloudFormation stacks, ensuring streamlined infrastructure updates.
- Python-Based Automation: Developed Python scripts to trigger EC2 Image Builder pipelines and CloudFormation stack updates dynamically.
- Secrets Management: Integrated AWS Secrets Manager to securely fetch and use secrets in GoCD pipelines.
- Version Control & Repository Management: Migrated application component repositories to Bitbucket, creating version-controlled workflows for CI/CD pipeline execution.
- Kubernetes Management: Handled Kubernetes pod readiness checks, port-forwarding, and monitoring to ensure stable GoCD operations in Minikube.

#### ITIL Framework and Security:

- Used ITIL Framework (Service Now Dashboard) to track issue & change management
- Find RCA for incidents and documenting the resolution for the same
- Creating and managing checklists, SOPs, evaluation reports,
- Taking AMI of instances as part of weekly/monthly audits, Help to provide KT's for newer recruits for complete web application life cycle and infrastructure outlook, Identifying appropriate use of AWS operational best practices
- Ensuring cloud security using AWS security IAM, NACL, Security Groups, Cost Optimization using AWS Cost-Explorer, AWS Budget & Trusted Advisor

