

Mohammed Masiuddin

AWS DevOps Engineer | Cloud DevOps Engineer

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Professional Summary:

DevOps Engineer with 2+ years of experience in designing, automating, and managing cloud infrastructure and CI/CD pipelines. Strong expertise in AWS Cloud Services (EC2, S3, VPC, IAM, CloudFormation, CloudTrail, CloudWatch, Route53, Elastic Beanstalk, DynamoDB, SNS, ELB, ALB). Hands-on experience in deploying and managing containerized microservices using Docker, Kubernetes (EKS), Helm Charts, and ECS Fargate.

Skilled in Infrastructure as Code (IaC) using Terraform and automating configuration management with Ansible and Chef. Proficient in building end-to-end CI/CD pipelines using Jenkins, integrated with Git, Nexus, SonarQube, and AWS native tools like Code Pipeline, Code Build, and Code Deploy for automated build, testing, and deployments.

Expertise in monitoring, alerting, and observability using Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Splunk, and AWS CloudWatch, ensuring high system uptime and performance. Strong scripting knowledge in Python, Bash, Shell, and managing Linux-based infrastructure. Experienced in writing automation scripts and playbooks using YAML and JSON, with good knowledge of SQL databases.

Well-versed with Agile methodologies, release management, branching strategies, and version control (Git, SVN). Strong ability to optimize cloud costs, improve deployment reliability, implement security best practices, and troubleshoot complex cloud & infrastructure challenges.

Technical Skills:

Cloud Platforms	AWS (EC2, S3, VPC, IAM, CloudFormation, CloudWatch, CloudTrail, Route 53, ELB/ALB, Elastic Beanstalk, DynamoDB, ECS, EKS, S3 Lifecycle, Code-Pipeline, Code-Build, Code-Deploy)
Operating Systems	Linux (Ubuntu, RHEL, CentOS), Windows
Containerization & Orchestration	Docker, Kubernetes (EKS), Helm Charts, ECS Fargate
Infrastructure as Code (IaC)	Terraform, CloudFormation
Configuration Management	Ansible, Chef
CI/CD & DevOps Tools	Jenkins, Git, GitHub, Nexus, SonarQube, Code-Pipeline, Code-Build, Code-Deploy
Build Tools	Maven, Pip, MS Build, npm.
Databases & Storage	MySQL, SQL, DynamoDB, S3
Monitoring & Logging	AWS CloudWatch, Prometheus, Grafana, ELK Stack (Elasticsearch, Kibana).
Web/Application Servers	Apache HTTP Server, NGINX, Tomcat Server
Scripting & Automation	Python (Basics), Bash, Shell Scripting, YAML, JSON, Groovy.
Database & Storage	SQL, DynamoDB, S3
Frontend Development	Tailwind CSS, JavaScript, HTML, JSP
Backend Development	Java, Servlets, JDBC
Ticketing Tools	JIRA, ServiceNow.

Version Control	Git
Security & Secrets Management	AWS Secrets Manager
Agile & Methodologies	Agile, Scrum.

Education:

Bachelor of Technology in Computer Science and Engineering (CSE)

Jawaharlal Nehru Technological University (JNTU) – Hyderabad

Professional Experience:

V2R Technologies

Role: DevOps Engineer

Jan 2024 – Present

Roles & Responsibilities:

- Designed, developed, and maintained scalable, secure, and highly available cloud-based systems and applications on AWS.
- Implemented Kubernetes manifests for deployment, configuration management, and resource automation across multiple environments.
- Deployed and managed AWS services (EC2, S3, VPCs, Route53, RDS, and Elastic Load Balancers) within Amazon Elastic Kubernetes Service (EKS).
- Automated Kubernetes workload deployments using ArgoCD, enabling GitOps-based continuous delivery.
- Containerized and deployed Python applications with Docker, ensuring portability, scalability, and smooth integration with Kubernetes.
- Configured Amazon EC2 instances, security groups, and RDS databases, with automated S3 backup strategies for disaster recovery.
- Set up and monitored CloudWatch alerts and metrics, ensuring high availability and quick issue resolution.
- Collaborated with development teams for cloud-native architecture design, infrastructure readiness, and deployment best practices.
- Optimized cloud resources through monitoring, scaling policies, and cost-management strategies.

V2R Technologies

Role: DevOps & Java Full-Stack Intern

Sept 2023 – Dec 2023

Roles & Responsibilities:

- Designed and developed responsive user interfaces using Tailwind CSS, HTML, and JavaScript, enhancing usability and accessibility across devices.
- Deployed and managed cloud-based applications on AWS EC2 and ECS using Docker containerization for scalability and reliability.
- Assisted in building CI/CD pipelines with Jenkins, GitHub, and Maven, ensuring seamless code integration and automated deployments to cloud environments.
- Authored basic Terraform scripts and Ansible playbooks to provision AWS infrastructure and manage configuration of application environments.
- Monitored and troubleshooted deployment issues in cloud environments, improving application availability and performance.
- Collaborated with cross-functional teams during sprint planning, code reviews, and standups, following Agile best practices for iterative delivery.

- Gained hands-on experience in cloud-native deployment strategies, containerized workloads, and frontend development for real-world web applications.

Genpact Private Limited

Role: Process Associate

Jan 2022 – May 2023

Roles & Responsibilities:

- Resolved technical issues related to mobile and web banking platforms, including login failures, transaction errors, and UI/UX inconsistencies.
- Logged, tracked, and managed support incidents through internal ticketing tools (e.g., JIRA, ServiceNow).
- Performed issue triaging, initial diagnostics, and escalation to development or backend support teams when necessary.
- Collaborated with QA, development, and infra teams to ensure timely ticket resolution and root cause analysis.
- Ensured high customer satisfaction through timely communication, accurate ticket updates, and follow-ups.
- Documented common issues and solutions in knowledge bases to reduce ticket volumes and improve resolution time.
- Gained exposure to application deployment, monitoring, and issue handling workflows in enterprise banking environments.

Project #1: Deposits and Channels to Cloud

Client: V2R Technologies

Designation: Cloud Support Associate

Duration: Jan 2024 – Feb 2025

Environment: AWS (EC2, Lambda, VPC, CloudWatch, ELB, ASG, SNS), Jenkins, GitHub

Project Description:

Worked on an in-house Learning Management System (LMS) product used for internal and client training workflows. The platform was hosted on AWS cloud and built using a full-stack Java architecture. Responsibilities spanned across user management, infrastructure provisioning, DevOps automation, and basic application support.

Roles & Responsibilities:

- Managed user access for the LMS platform — adding/removing users, resetting credentials, and assigning roles.
- Provisioned and configured AWS EC2 instances and services to host new environments for client training sessions.
- Implemented IAM roles and security groups for controlled access to cloud resources and services.
- Assisted in deployment of Java-based backend services using JSP, Servlets, JDBC, and Tomcat on cloud instances.
- Updated front-end components using Tailwind CSS, HTML, and JavaScript as per functional requirements.
- Wrote basic Ansible playbooks to automate user provisioning and environment setup tasks.
- Participated in CI/CD workflows with Jenkins and Git to manage code deployments and rollback strategies.
- Worked alongside senior DevOps engineers to troubleshoot deployment, access, and infrastructure issues.
- Documented deployment procedures, user access protocols, and AWS environment configurations.

Achievements:

- Award for Implementing End-to-End CI/CD Pipeline & AWS Project implementation and production deployments.
- Successfully automated full CI/CD pipelines, improving deployment time and reducing manual errors.
- Implemented secure, highly available, and scalable AWS cloud infrastructure.
- Reduced system downtime by proactive monitoring and incident management using CloudWatch and Prometheus.

Certifications:

- Deloitte Australia Data Analytics Job Simulation on Forage - July 2025
- AWS APAC Solutions Architecture virtual experience program on Forage - July 2025

Masiuddin Mohammed