

# Mohammed Masiuddin

AWS DevOps Engineer | Cloud DevOps Engineer | Full-Stack JAVA Developer

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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**

Hashi Corp Vault, 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 Pvt Ltd**

**Role:** DevOps Engineer

*Jan 2024 – July 2025*

#### **Roles & Responsibilities:**

- Designed and implemented Infrastructure as Code (IaC) using **Terraform** for provisioning VPCs, EC2, RDS, IAM, S3, ALB, and other AWS resources.
- Provided end-to-end **AWS support** including troubleshooting networking issues, EC2 instance failures, IAM policy misconfigurations, and CloudWatch alarms.
- Developed reusable and modular Terraform modules for consistent infrastructure deployment across projects.
- Automated infrastructure deployment for multi-environment setups (dev, staging, production) using Git-integrated CI/CD pipelines.
- Worked with AWS services like EC2, S3, IAM, Route53, CloudWatch, CloudTrail, and RDS for provisioning and monitoring.
- Maintained Terraform state files using remote backends (S3 with DynamoDB locking) for collaborative team usage.
- Collaborated with application teams to provide infrastructure support, permissions, and deployment readiness.
- Documented infrastructure architecture, deployment procedures, and troubleshooting runbooks for operational clarity.
- Actively participated in architecture reviews, deployment planning, and cloud cost optimization strategies.

### **V2R Technologies Pvt Ltd**

**Role:** DevOps & Java Full-Stack Intern

*Sept 2023 – Dec 2023*

#### **Roles & Responsibilities:**

- Assisted in developing and deploying Java-based web applications using JSP, Servlets, JDBC, and MySQL.
- Built responsive UI components using Tailwind CSS, HTML, and JavaScript.
- Developed and maintained CI/CD pipelines using Jenkins, GitHub, and Maven for automated build and deployment.
- Worked with Docker to containerize Java applications and deployed them to AWS EC2 and ECS.
- Wrote basic Ansible playbooks and Terraform scripts to provision infrastructure and manage application environments.
- Participated in troubleshooting and resolving issues related to application performance and deployment.

- Gained hands-on experience with Agile development practices, including sprint planning, code reviews, and daily standups.

### **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**