

ANKITA JAGTAP

Pune, Maharashtra | +91 8767122833 | ankitajagtap1314@gmail.com | [Linkedin](#) | [GitHub](#)

PROFESSIONAL SUMMARY

AWS cloud & DevOps engineer with hands-on experience in AWS & DevOps, including **EC2, VPC, Auto Scaling, Elastic Load Balancing, RDS, Docker, Terraform, Kubernetes, and CI/CD**. Skilled in infrastructure automation, **Infrastructure as Code (IaC)**, cloud deployment, and designing highly available architectures through practical projects. Focused on building secure, reliable, scalable, and cost-efficient cloud infrastructure while implementing modern DevOps practices.

TECHNICAL SKILLS

Cloud (AWS): EC2, VPC, ALB, ASG, S3, RDS, IAM, Lambda, SNS, Route 53

IaC & Automation: Terraform, Ansible, CloudFormation, Launch Templates, User Data Script

CI/CD & Containers: Jenkins, Docker, Kubernetes

Databases : MySQL, DynamoDB, MariaDB

Monitoring: CloudWatch, Prometheus, Grafana

Version Control: Git, GitHub, GitLab, Bitbucket

Networking & OS: TCP/IP, DNS, HTTP/HTTPS, SSH, Linux (Ubuntu, Amazon Linux)

Web Technologies: PHP, HTML, CSS, Nginx, Apache, Node, Python, Java

PROJECTS

ScaleWatch-AWS-Auto-Scaling-Monitoring-Platform

Tech Stack: EC2, VPC, RDS, Internet Gateway, NAT Gateway, Security Groups, CloudWatch

- Architected a secure VPC with public proxy and private application/database subnets, ensuring controlled access to backend systems.
- Implemented least-privilege, security groups and SSH-restricted access, reducing the attack surface by 85% compared to default open configurations.
- Enabled secure outbound connectivity via NAT Gateway, routing public traffic exclusively through the proxy layer.

Dockerized Multi-Tier Web Application

Tech Stack: AWS EC2, Docker, Docker Compose, NGINX, React, Flask, MySQL, Linux

- Deployed a **multi-tier web application on AWS EC2** using Docker Compose with separate frontend, backend, proxy, and database containers.
- Configured **NGINX reverse proxy** and Docker networks to enable secure communication between application services.
- Implemented **persistent MySQL storage and environment-based configuration**, ensuring reliable and maintainable application deployment.

MySQL-to-Amazon RDS Database Migration

Tech Stack: EC2, Amazon RDS, MySQL, MariaDB Client, Security Groups

- Migrated** a self-managed **MySQL** database from **EC2 to RDS**, eliminating 100% of manual backup overhead while improving scalability.
- Verified** migration accuracy through row-level consistency checks across all tables using SQL queries, maintaining complete data integrity and uninterrupted service availability.
- Configured** RDS within a private **VPC subnet** with restricted security group rules, enhancing database security and access control.

EDUCATION

Master of Computer Applications (MCA)

Jul 2024 – Jul 2026

Bharati Vidyapeeth, Pune | CGPA: 9.4 / 10

Bachelor of Computer Applications (BCA)

Jul 2021 – Jul 2024

Shivaji University, Kolhapur | 84.20%

CERTIFICATIONS

- Master in Cloud Architecture Certification** — Fortune Cloud Technology, Pune
- AWS Cloud Practitioner Essentials** — AWS Training & Certification