

MD KHEZAR AHMED

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PROFESSIONAL SUMMARY

DevOps and Cloud Engineer with 5+ months of hands-on internship experience building and automating production-grade AWS infrastructure. Proficient in designing serverless architectures, building Jenkins CI/CD pipelines, containerizing applications with Docker and Kubernetes, and provisioning infrastructure with Terraform and Ansible. Delivered three end-to-end projects covering serverless backends, 3-tier AWS architectures, and containerized deployments. Actively seeking a full-time DevOps / Cloud Engineer role.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS – EC2, S3, VPC, RDS, Lambda, DynamoDB, API Gateway, Cognito, IAM, Route 53, ALB, EFS, NAT Gateway, CloudFormation, CloudWatch

CI/CD & Automation: Jenkins, GitHub Actions, Git, Maven, Bash Scripting, SonarQube, Trivy

Infrastructure as Code: Terraform, Ansible, AWS CloudFormation

Containers & Orchestration: Docker, Docker Compose, Kubernetes (K8s), Nginx, PM2, Container Registry

Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch (Logs, Metrics, Alarms)

Operating Systems: Linux (Ubuntu), Windows

Languages & Tools: Bash, Node.js (Lambda), Python (basics), Git, GitHub

PROFESSIONAL EXPERIENCE

Cloud Engineering Intern

Nov 2025 – Jan 2026

HEProAI

Remote

- Architected and deployed a fully serverless backend on AWS using Lambda (Node.js), API Gateway, DynamoDB, and S3, eliminating idle infrastructure costs through a pay-per-use model.
- Secured the application by implementing JWT-based user authentication via AWS Cognito and enforcing least-privilege IAM roles and policies across all services.
- Set up centralized observability using AWS CloudWatch (logs, metrics, custom alarms) to proactively monitor system health and support incident response.
- Authored deployment runbooks and rollback procedures to standardize release operations and reduce human error during deployments.
- Maintained version control with Git and collaborated on automated deployment workflows within a fully remote, async team environment.

AWS & DevOps Engineer Intern

Aug 2025 – Nov 2025

Full Stack Academy

Hyderabad, India

- Built end-to-end Jenkins CI/CD pipelines integrated with Docker registries, automating the full build-test-deploy lifecycle for containerized applications on AWS EC2.
- Containerized applications using Docker and Docker Compose, streamlining local development and enabling consistent deployments across environments.
- Provisioned and managed core AWS infrastructure – EC2, S3, VPC, RDS, IAM, ALB, Route 53, CloudWatch – for production-like networking, security, and monitoring setups.
- Automated infrastructure provisioning using Terraform and Ansible, replacing manual setup with repeatable, version-controlled workflows.
- Deployed and managed containerized workloads with Kubernetes to achieve high availability, horizontal scaling, and fault tolerance.
- Integrated SonarQube for static code analysis and Trivy for container image vulnerability scanning directly into the CI/CD pipeline.

PROJECTS

Serverless Web Application on AWS

Dec 2025 – Jan 2026

- *Tech Stack: AWS Lambda, API Gateway, DynamoDB, Cognito, S3, CloudWatch*
- Designed a fully serverless architecture: static frontend on S3, RESTful backend via API Gateway and Lambda (Node.js), and NoSQL data layer on DynamoDB.
- Secured all API endpoints with JWT authentication through AWS Cognito; applied granular IAM least-privilege policies to every Lambda function and resource.
- Configured API Gateway proxy integration and Lambda environment variables for clean frontend-backend separation and environment portability.
- Monitored invocation errors, latency, and throttling via AWS CloudWatch Logs and Alarms, enabling fast debugging and incident response.

CI/CD Pipeline for Containerized React Application

Nov 2025

- *Tech Stack: Jenkins, Docker, Docker Compose, AWS EC2, Nginx, SonarQube, Trivy, PM2*
- Built a Jenkins pipeline on AWS EC2 (Ubuntu) automating source clone, Maven build, SonarQube code quality gate, Trivy vulnerability scan, Docker image build, and zero-downtime deployment.
- Containerized the React frontend with Docker; managed multi-container setups via Docker Compose and served traffic through Nginx reverse proxy with PM2 for Node.js process management.
- Enforced network security using AWS Security Groups and UFW firewall rules to restrict inbound access to only required ports.

Highly Available 3-Tier Architecture on AWS

Oct 2025

- *Tech Stack: EC2, RDS MySQL, VPC, ALB, Route 53, Internet Gateway, NAT Gateway*
- Designed a production-style 3-tier architecture with VPC containing public subnets (web layer), private subnets (app layer), and isolated database subnets (data layer).
- Configured ALB for traffic distribution, Route 53 for DNS routing, Internet Gateway for public access, and NAT Gateway for secure outbound traffic from private subnets.
- Deployed EC2 instances running Apache, PHP, and phpMyAdmin in the web/app tiers, integrated with Amazon RDS MySQL as the fully managed relational backend.

EDUCATION

Bachelor of Computer Applications (BCA)

Aug 2022 – Jul 2025

St. Joseph's Degree College, Osmania University

Hyderabad, India

- CGPA: 8.08 / 10.0

CERTIFICATIONS

- Getting Started with AWS DevOps – Coursera
- Docker Essentials: A Developer Introduction – IBM SkillsBuild
- Cloud Computing Fundamentals – IBM SkillsBuild
- DevOps Engineering Challenge – Full Stack Academy
- Linux Challenge – Full Stack Academy