HASEEB AHMAD

DevOps Engineer

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SUMMARY

DevOps Engineer with over 1 year of experience in CI/CD automation, containerization, and cloud infrastructure. Proficient in AWS, Docker, Kubernetes, Jenkins, and Linux administration, with a strong focus on optimizing deployments, improving release reliability, and ensuring scalable, secure infrastructure. Skilled in automating multi-environment deployment workflows to accelerate delivery and improve overall system performance.

TECHNICAL SKILLS

Operating System: Linux
Version Control: Git
CI/CD: Jenkins, GitLab
Containerization & Orchestration: Docker and Kubernetes
Cloud Platform: AWS (EC2, S3, RDS, VPC, IAM, ALB, Auto Scaling, ECS, EKS, Route 53, CloudFront, Secrets Manager)
Infrastructure as Code: Terraform, Ansible
Monitoring & Logging: AWS CloudWatch, Prometheus, Grafana

EXPERIENCE

DevOps Engineer | *LuminahTech* **Oct 2025 – Present**

- Managing and maintaining Infrastructure as Code (IaC) for cloud environments using Terraform.
- Implemented environment-based CI/CD pipelines (Dev/QA/Stage) using Jenkins with structured, reusable pipeline configurations.
- Handling multi-environment deployments across Dev, Stage, Pre-Prod, and Production, ensuring environment parity and controlled release flows.
- Deploying and managing containerized and serverless workloads on Amazon EKS and AWS Lambda.
- Actively involved in release management, coordinating deployments across environments and ensuring production stability.
- Working primarily with core AWS services (IAM, Secrets Manager, Route 53) and Git-based workflows to ensure secure, consistent, and automated deployments.

DevOps Engineer Intern | *NETSOL Technologies Inc.* **Jul 2025 – Aug 2025**

- Deployed a 3-tier notes application on AWS EKS using Kubernetes manifests, EBS-backed persistent storage, and CoreDNS-based service discovery, achieving high availability with zero data loss across pod restarts.
- Architected a production-style 3-tier AWS VPC infrastructure with public/private subnet isolation, a bastion host for restricted admin access, and an HTTPS-secured Application Load Balancer.
- Built a self-scaling Django deployment using AWS Auto Scaling Group, CloudWatch metrics, and a Golden AMI, enabling automatic scaling from 1 to 4 instances under load.
- Implemented a Jenkins CI/CD pipeline triggered by webhooks, using AWS Secrets Manager for centralized secrets and least-privilege IAM roles, eliminating hardcoded credentials from the codebase.
- Configured Nginx as a reverse proxy and virtual host on AWS EC2 with Let's Encrypt SSL and URL-based routing across multiple backend services.

PROJECTS

Zero-Trust 3-Tier AWS Network Architecture *(VPC Project)*

- Manually designed a production-style 3-tier AWS VPC — public, private app, and private data subnets — without pre-built templates or IaC tools.
- Isolated backend and database resources in private subnets, controlling access via custom route tables and security groups.
- Deployed a bastion host for secure, restricted SSH access to private instances.
- Configured an HTTPS-secured ALB as the sole public entry point, keeping backend systems fully private.

Self-Healing Auto-Scaling Infrastructure on AWS *(Django Auto-Scaling)*

- Built a self-scaling Django deployment using a Golden AMI, Launch Template, and Auto Scaling Group behind an ALB.
- Configured a CloudWatch Target Tracking policy to auto-scale EC2 instances from 1 to 4 under load.
- Deployed an Nginx → Gunicorn → Django stack per instance with a /health/ endpoint for ALB health checks.
- Verified scaling behavior in real time via an IMDSv2-based live instance dashboard.

Secure CI/CD Deployment Pipeline with AWS Integration *(Jenkins Tracker)*

- Built and deployed a full-stack log-tracking app on AWS EC2 with private RDS (MySQL) and private S3 (signed URLs) for secure storage.
- Eliminated hardcoded credentials using AWS Secrets Manager with least-privilege IAM roles.
- Set up a Jenkins CI/CD pipeline triggered by GitHub webhooks for zero-touch deployment on every push.
- Configured Nginx + PM2 with Cloudflare DNS and Let's Encrypt SSL for the production domain.

Highly Available Kubernetes Deployment on AWS EKS *(Notes App)*

- Deployed a 3-tier notes app on Amazon EKS with 5 containerized services (2 React frontends, Django REST API, PostgreSQL, Nginx).
- Configured persistent PostgreSQL storage via an EBS-backed PersistentVolumeClaim, ensuring zero data loss across pod restarts.
- Exposed the app without a Load Balancer using Nginx as a NodePort entry point, with CoreDNS handling internal service discovery.
- Managed credentials securely using Kubernetes Secrets across all manifests.

Multi-Service Reverse Proxy & SSL Gateway on AWS *(Nginx Lab)*

- Manually configured Nginx on AWS EC2 as both reverse and forward proxy for multiple backend apps.
- Implemented virtual hosting and URL-path-based routing (/python-app/, /node-app/, /java-app/) across services.
- Connected a custom domain via Elastic IP and DNS A records for a persistent address.
- Secured traffic with Let's Encrypt SSL and enforced HTTP-to-HTTPS redirection.

EDUCATION

BS – Information Engineering Technology **2023 – 2027**

University of Lahore | CGPA: 3.89 / 4.00